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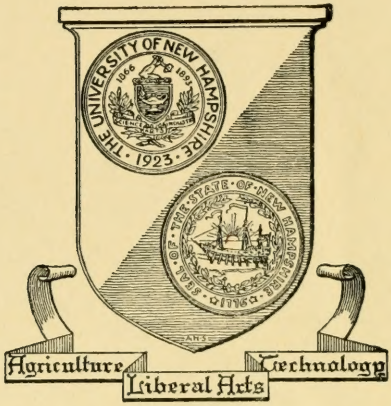

The University
of
New Hampshire

Bulletin 348 July, 1943

THE UNIVERSITY OF NEW HAMPSHIRE
AGRICULTURAL EXPERIMENT STATION

Inspection of Commercial Feedingstuffs 1943

Made for the

State Department of Agriculture

By T. O. Smith and H. A. Davis

The University of New Hampshire
Durham, N. H.

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INSPECTION OF COMMERCIAL FEEDINGSTUFFS

MADE FOR THE

STATE DEPARTMENT OF AGRICULTURE

The inspection of commercial feedingstuffs reported in this bulletin was made under the direction of Honorable Andrew L. Felker, Commissioner of Agriculture. Mr. Harry West and Mr. Walter Mauricette, State Inspectors, collected samples of 405 brands of feedingstuffs which were offered for sale in the State during the year ending June, 1943. The 405 samples represent brands of 78 manufacturers.

REGISTRATION AND LABELING OF FEEDINGSTUFFS

Registration:—The New Hampshire law, entitled an Act to Regulate the Sale of Concentrated Commercial Feedingstuffs, requires registration with the Commissioner of Agriculture of each brand offered for sale. This is usually done by the manufacturer or jobber whether he is located within or outside the State. Feedingstuffs manufactured in other states frequently pass through several middlemen before they reach the local distributor. Under the provisions of the law, if the manufacturer or jobber fails to make registration the dealer is responsible. Dealers who purchase feed for resale must assure themselves that the brands they purchase are properly registered and the license fee is paid or they must assume that responsibility. The official charged with the administration of the law is the Commissioner of Agriculture. All matters relative to registration and all inquiries concerning the law should be addressed to the Commissioner of Agriculture, State House, Concord.

Labeling:—The law requires every manufacturer or dealer who shall sell or offer for sale any concentrated commercial feedingstuff to furnish with each package a clearly printed statement certifying the net weight of the feed contained in the package, the brand name or trademark under which the feed is sold, the name and address of the manufacturer, the ingredients of which the feed is composed, and a chemical analysis stating the minimum percentage only of protein and of fat and the maximum percentage only of crude fiber. In order to secure greater uniformity in the labeling of feeds and in the statement of ingredients, the Association of American Feed Control Officials has adopted definitions and standards. The Association has also approved twenty-one general regulations which "should be adopted by state officials as far as the statutes will permit." There are no conflicts with the New Hampshire feedingstuffs law in these regulations. Manufacturers and dealers are, therefore, expected to conform to the regulations of the association in all matters not specifically mentioned in the law.

One sentence in the New Hampshire feedingstuffs law reads as follows: ". . . and shall state in bold type upon the container or a tag attached thereto, if a compounded feed, the names of the several ingredients therein contained." To avoid the misinterpretation or deception which may result from the manufacturer's use of indefinite terms in listing the ingredients, the Association of American Feed Control Officials has adopted 166 official definitions of ingredients used in the compounding of feedingstuffs. These definitions are subject to frequent addition and revision. At the present time there are also 39 tentative definitions and 13 that have been proposed for future discussion. Tentative definitions are those which have received favorable consideration but have not yet been made official. A 77-page booklet containing the above three classes of definitions, the 21 general regulations and other instructive material may be obtained from the Secretary of the Association of American Feed Control Officials, College Park, Maryland, at one dollar per copy. The manufacturer should secure a copy of this booklet and list the ingredients accurately. Carelessness or indifference in listing the ingredients should create sales resistance in the buyer. The purchaser is warranted in concluding that the manufacturer who is inaccurate in specifying the ingredients printed on the tag may also be careless in selecting the ingredients he puts into the bag.

PURPOSE OF THE FEEDINGSTUFFS LAW

The chief purpose of the feedingstuffs law is to protect the consumer against the inferior products which would doubtless soon appear on the market if the trade were not under state control. The law is primarily a correct-labeling act. It must not be assumed by the purchaser of feedingstuffs that every brand which meets the manufacturer's guarantee is a high-grade feed. The feedingstuffs law does not prevent the sale of a low-grade feed if it is properly licensed and tagged and is offered for sale in compliance with the law. It would not be in the public interest to legislate against the sale of the lower-grade by-products. They can be fed profitably if bought at a price adjusted to their feeding value. The law does prevent an inferior feed being offered for sale as a high-grade product.

The dealer in purchasing feed from the manufacturer, and the consumer in purchasing feed from the dealer, should make the specification that the feed delivered must comply with the New Hampshire feedingstuffs law. If the feed is not registered; if the protein, fat, and crude fiber are not guaranteed; and if the ingredients of which the feed is composed are not plainly stated on the bag, or on a tag attached thereto, the purchaser is not protected by the state feedingstuffs law. He then has no recourse under the feedingstuffs law if the feed which he purchases is of inferior quality. The dealer who offers for sale a feedingstuff which has

not been registered and which is not guaranteed in compliance with the law is probably indifferent to his customer's interests in other respects. He does not merit either the confidence or the patronage of the consumer. The purchaser's co-operation in refusing to buy a feed which does not conform to the law in every respect will not only help in the enforcement of the law but will at the same time afford the purchaser himself the protection of the law. If the buyer fails to assure himself that the legal requirements have been met, he accepts the feedingstuff at his own risk. The terms used in reporting the chemical analysis of a feedingstuff are briefly defined as follows:

Protein is a collective term for a considerable group of compounds, all of which contain nitrogen. Ingredients high in protein are usually more expensive than the other ingredients, making protein the most important nutrient for consideration in determining the commercial value of a feedingstuff. The nutritional value of the proteins varies widely; therefore a feedingstuff should contain protein from several sources to insure inclusion of all essential types.

Fat is separated from the other components of a feedingstuff by extracting the moisture-free sample with anhydrous ether. In such ingredients as the cereals, the seed-meals and animal products, the extract is nearly pure fat. A few ingredients such as alfalfa meal contain some ether-soluble material which is not fat.

Moisture is present in all feedingstuffs. The amount varies somewhat with weather and storage conditions. The water content of a feedingstuff should be kept as low as possible to prevent spoilage.

Ash is the mineral residue remaining after the organic matter has been completely removed by burning. It contains such essential constituents as calcium, magnesium, phosphorus and sulphur, as well as some inert material of no nutritive value.

Fiber is composed of cellulose and related compounds. Since crude fiber has little feeding value, the law requires that the maximum fiber be guaranteed rather than the minimum as in protein and fat.

Nitrogen-free extract includes the carbohydrates which are more readily digestible, such as starch and sugars. Nitrogen-free extract is not usually determined directly by analysis but is found by subtracting the sum of the percentages of protein, fat, fiber, moisture and ash from 100 per cent.

HOW COST OF INSPECTION AFFECTS PRICE

The cost of a feedingstuffs inspection includes the drawing and the analysis of the samples, and the publication and mailing of the annual bulletin. The funds from which these costs are paid are accumulated from

the license fees which the manufacturer is required to pay annually on each brand of feedingstuff offered for sale within the state. Since manufacturing and distributing costs are finally paid by the consumer, the purchaser of feedingstuffs is interested in the effect of the cost of the inspection on the retail price per ton. The sixteenth census of the United States Department of Commerce under the heading, specified farm expenditures, 1939, reports the retail value of feeds for domestic animals and poultry sold in New Hampshire in that year as $7,619,245. A calculation based on this valuation, and the known costs of the inspection, shows that the cost to purchasers is less than four cents per ton of feed, a fraction of a cent per 100-pound bag.

SAMPLES FAILING TO COMPLY WITH THE LAW

Of the 405 brands analyzed, 26 brands, or 6.4 per cent, were below the guaranteed amount of protein. Fifteen of these were less than one-half per cent below guarantee. Sixty-six brands, or 16.3 per cent, were below guarantee in fat. Thirty-one of these were less than one-fourth per cent below guarantee. Thirty brands, or 7.4 per cent, contained an excessive amount of crude fiber.

In the tabulation of the analytical figures (p. 10 to p. 53 inclusive) those figures one-half per cent or more below guarantee in protein, one-fourth per cent or more below guarantee in fat, and one per cent or more above guarantee in crude fiber are printed in bold-face type.

Table I shows the percentage of samples failing to conform to the guarantee in each of the last eighteen years.

TABLE I. PERCENTAGE OF SAMPLES ANALYZED IN YEARS 1926-1943 NOT CONFORMING TO GUARANTEES

Year	Per cent below guarantee in Protein		Per cent below guarantee in Fat		Per cent high in Crude Fiber
	Less than 0.5 per cent	0.5 per cent or more	Less than 0.25 per cent	0.25 per cent or more	
1926	8.0	16.0	4.0	10.0	6.0
1927	8.3	16.4	5.8	13.6	5.9
1928	9.1	20.7	4.3	9.3	7.9
1929	9.5	20.2	2.8	9.3	6.5
1930	4.8	13.1	4.0	8.0	3.9
1931	1.8	7.2	5.9	9.7	5.3
1932	1.8	1.4	5.0	8.1	2.8
1933	1.3	3.6	7.5	9.8	3.6
1934	3.0	3.4	3.9	7.1	9.8
1935	2.4	3.0	4.2	8.5	9.9
1936	2.9	5.2	5.5	8.3	12.2
1937	2.8	4.2	3.0	6.0	11.0
1938	2.9	8.1	9.8	10.8	11.5
1939	1.9	3.3	6.8	9.3	8.7
1940	2.9	4.0	6.2	6.7	7.5
1941	1.1	2.6	4.7	6.7	5.6
1942	2.6	3.5	3.7	4.5	7.4
1943	3.7	2.7	7.7	8.6	7.4

REQUESTS BY INDIVIDUALS FOR THE ANALYSIS OF FEEDINGSTUFFS

Under the feedingstuffs law the Agricultural Experiment Station is charged only with the analysis of samples of feedingstuffs collected by the State Inspector under the direction of the Commissioner of Agriculture. It does, each year, however, analyze a considerable number of samples drawn by individuals representing stock purchased by them for their own use. Frequently the reason for sending the sample is that the feed is suspected of causing sickness or death of livestock or poultry. While in very rare instances the feed may have caused the trouble, disease is usually found to be the cause. Many times feeders, suspecting the feed, lose valuable time in the treatment of the disease by sending a sample of the feed for analysis and waiting for the report. Losses could have been reduced had a veterinarian or poultry specialist been consulted immediately and the proper treatment given promptly. The most conclusive method of determining whether or not the feed is the cause of the trouble is a biological test. Such a test can be conducted on the premises of the feeder. If chicks have died and the feed is suspected, confine in sanitary pens two lots of healthy chicks. Give to one lot the suspected feed and to the other lot a feed known to be good. Should the chicks receiving the suspected feed die and the others remain healthy, there is evidence the feed is the cause. Under such circumstances notify the Commissioner of Agriculture and an official sample will be drawn. The official sample will be analyzed to determine if the manufacturer is responsible.

The most common reason the purchaser has for asking to have the sample analyzed is to satisfy himself whether the feed meets its guarantee and if it does not, to obtain evidence upon which to base a claim for shortage. The Station can assume no responsibility for the drawing of an unofficial sample but can attest only the accuracy of the analysis of the sample as submitted. It is practically impossible to secure a representative sample of a feedingstuff composed of several ingredients varying widely in composition without the aid of a sampling tube for drawing the sample and proper equipment for mixing it. A feed may contain as one of its ingredients gluten meal averaging 40 per cent protein, and as another ingredient oat mill feed averaging five per cent protein. These materials are so different in physical condition that the shaking in transit tends to separate them even though they may have been perfectly mixed by the manufacturer before bagging. It is apparent that an accurate sample of a ton of this feed can only be had by drawing a core from several bags. The official method requires ten. Since a representative sample is as essential as an accurate analysis in judging the value of a shipment of feed, it is evident that a satisfactory adjustment can seldom be effected on the basis of an unofficial sample.

Nothwithstanding the objections which may be raised to the analysis of samples taken without proper sampling equipment, the Station is dis-

posed to continue this work as long as there is evidence that it constitutes a useful service. The samples so submitted should be drawn from at least ten bags in a manner which will insure that the small lot sent for analysis is as accurately representative as possible of the large lot from which it is taken. Because of the cost of labor and materials, an analysis is not usually warranted on a sample drawn from less than a one-ton lot of feed.

A one-pound sample is sufficient for the analysis. It should be sent in a glass jar or tin box to prevent loss of fine particles or a change in the moisture content. In order that the department may have a satisfactory record of the sample analyzed, and may know whether or not the manufacturer and the dealer are complying with the requirements of the law, the following information should be submitted concerning each sample.

Brand .....

Manufacturer .....

Address .....

Guarantee:

Protein .....

Fat .....

Crude Fiber .....

Ingredients .....

.....

.....

Dealer .....

Address .....

Number of bags in lot .....

Number of bags sampled .....

Price per 100 pounds .....

Your name .....

Your address .....

Your reason for requesting analysis .....

.....

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Allied Mills, Chicago, Ill.								
Economy 20% Dairy Feed ...	G.*	20.00	3.50	11.00	....	....	....	Soybean oil meal, cottonseed meal, yellow corn meal, corn distillers' dried grains, brewers' dried grains, corn gluten feed, ground oats, ground barley, wheat bran, cane molasses, 1.5% ground limestone, 0.03% steamed bone meal, 0.03% iron oxide, 1% iodized salt.
	F.†	21.14	4.68	9.21	7.98	7.81	49.18	
Economy Laying Mash	G.	18.00	3.50	8.00	....	....	....	Meat scraps, soybean oil meal, corn gluten meal, corn gluten feed, wheat standard middlings, fine ground oats, wheat bran, yellow corn meal, rye middlings. can molasses, 3% ground limestone, 0.5% salt, fortified sardine oil.
		19.26	3.81	4.82	10.31	6.54	55.26	
Sugarine 17% Dairy Feed ...	G.	17.00	3.00	12.00	....	....	....	Corn distillers' dried grains, brewers' dried grains, soybean oil meal, corn gluten feed, cottonseed meal, corn meal, wheat bran, ground corn and wheat screenings, clipped oat by-product, cane molasses, 1.5% ground limestone, 0.3% steamed bone meal, 0.03% iron oxide, 1% iodized salt.
	F.	20.75	4.45	10.06	7.59	8.65	48.50	
Sugarine 20% Dairy Feed ...	G.	20.00	3.00	12.00	....	....	....	Corn distillers' dried grains, brewers' dried grains, soybean oil meal, corn gluten feed, cottonseed meal, old process linseed oil meal, corn meal, wheat bran, ground corn and wheat screenings, clipped oat by-product, cane molasses, 1.5% ground limestone, 0.3% steamed bone meal, 0.03% iron oxide, 1% iodized salt.
	F.	23.38	4.97	9.38	8.24	8.80	45.23	
Wayne All Mash Egg	G.	15.00	3.50	8.00	....	....	....	Animal liver meal, riboflavin supplement, fish meal, dried milk by-product, dehydrated alfalfa meal, soybean oil meal, meat scraps, corn gluten meal, wheat standard middlings, corn gluten feed, fine ground oats, wheat bran, yellow corn meal, 0.05% manganese sulphate, 3.6% ground limestone, 0.05% iron oxide, 0.25% iodized salt, fortified sardine oil.
	F.	16.33	3.82	6.54	10.16	7.35	55.80	
Wayne Breeder Mash	G.	20.00	3.50	8.00	....	....	....	Animal liver meal, riboflavin supplement, fish meal, dried milk by-product, dehydrated alfalfa meal, soybean oil meal, meat scraps, corn gluten meal, wheat standard middlings, corn gluten feed, fine ground oats, wheat bran, yellow corn meal, 0.04% manganese sulphate, 2.7% ground limestone, 0.04% iron oxide, 0.2% iodized salt, fortified sardine oil.
	F.	20.31	4.33	6.39	9.92	8.32	50.73	
Wayne Chick and Broiler Ration	G.	19.00	3.50	8.00	....	....	....	Animal liver meal, riboflavin supplement, fish meal, dried milk by-product dehydrated alfalfa meal, soybean oil meal, meat scraps, corn gluten meal, wheat standard middlings, fine ground oats, wheat bran, yellow corn meal, 0.03% manganese sulphate, 1.8% ground limestone, 0.03% iron oxide, 0.15% iodized salt, fortified sardine oil.
	F.	20.05	4.64	6.52	10.15	7.05	51.59	
Wayne Chick Starter	G.	18.00	4.00	7.00	....	....	....	Animal liver meal, riboflavin supplement, fish meal, dried milk by-product, dehydrated alfalfa meal, soybean oil meal, meat scraps, corn gluten meal, wheat standard middlings, fine ground oats, wheat bran, yellow corn meal, 0.03% manganese sulphate, 1.8% ground limestone, 0.03% iron oxide, 0.15% iodized salt, fortified sardine oil.
	F.	19.22	4.67	6.01	9.88	7.33	52.89	

* Guaranteed — Protein and fat not less than, crude fiber not more than. † F. Found.

Wayne Complete Calf Feed ..	G.	16.00	3.30	9.00	....	....	....	Soybean oil meal, cottonseed meal, old process linseed oil meal, cocoanut oil meal, corn gluten meal, wheat red dog, yellow corn meal, corn distillers' dried grains, brewers' dried grains, wheat bran, dried milk by-products, wheat standard middlings, dehydrated alfalfa meal, crimped oats, ground oats, cane molasses, beet molasses, 1.5% ground limestone, 0.3% steamed bone meal, 0.03% iron oxide, 1% iodized salt, irradiated yeast.
	F.	19.44	4.41	7.70	9.72	7.20	51.53	
Wayne 16% Dairy Feed	G.	16.00	3.50	9.00	....	....	....	Corn distillers' dried grains, cottonseed meal, brewers' dried grains, corn gluten feed, old process linseed oil meal, yellow corn meal, hominy feed, soybean oil meal, ground oats, crimped oats, wheat bran, cane molasses, 1.5% ground limestone, 0.3% steamed bone meal, 0.03% iron oxide, 1% iodized salt.
	F.	19.66	5.39	8.02	9.16	6.80	50.97	
Wayne 20% Dairy Feed	G.	20.00	4.00	9.00	....	....	....	Corn distillers' dried grains, corn gluten feed, corn gluten meal, ground oats, ground barley, linseed oil meal, cottonseed meal, wheat bran, yellow corn meal, hominy feed, brewers' dried grains, soybean oil meal, cane molasses, 1.5% ground limestone, 0.3% steamed bone meal, 0.03% iron oxide, 1% iodized salt.
	F.	22.55	4.59	8.25	9.44	7.69	47.48	
Wayne Egg Mash	G.	20.00	3.50	8.00	....	....	....	Animal liver meal, riboflavin supplement, fish meal, dried milk by-product, dehydrated alfalfa meal, soybean oil meal, meat scraps, wheat standard middlings, corn gluten feed, fine ground oats, wheat bran, yellow corn meal, 0.04% manganese sulphate, 2.7% ground limestone, 0.04% iron oxide, 0.2% iodized salt, fortified sardine oil.
	F.	20.66	4.19	5.93	10.36	8.45	50.41	
Wayne Fitting Ration	G.	12.00	3.50	9.00	....	....	....	Corn distillers' dried grains, yellow corn meal, hominy feed, soybean oil meal, crimped oats, ground oats, old process linseed oil meal, wheat bran, brewers' dried grains, can molasses, 1.5% ground limestone, 0.3% steamed bone meal, 0.03% iron oxide, 1% iodized salt, irradiated yeast.
	F.	16.24	5.06	6.88	10.39	6.98	54.45	
Wayne Flushing Mash	G.	20.00	3.00	6.00	....	....	....	Dried whey, fish meal, soybean oil meal, meat scraps, wheat standard middlings, wheat bran, yellow corn meal, 0.03% manganese sulphate, 1.8% ground limestone, 0.03% iron oxide, 0.15% iodized salt.
	F.	21.58	3.73	3.65	9.39	9.14	52.51	
Wayne Growing Mash	G.	16.00	3.50	7.00	....	....	....	Animal liver meal, riboflavin supplement, fish meal, dried milk by-product, dehydrated alfala meal, soybean oil meal, meat scraps, corn gluten meal, wheat standard middlings, fine ground oats, wheat bran, yellow corn meal, 0.04% manganese sulphate, 2.7% ground limestone, 0.04% iron oxide, 0.2% iodized salt, fortified sardine oil.
	F.	16.46	4.55	6.48	9.81	7.04	55.66	
Wayne Horse Feed	G.	9.50	3.00	8.00	....	....	....	Cracked corn, crimped oats, wheat bran, cane molasses.
	F.	9.63	3.00	5.45	12.00	2.35	67.57	
Wayne Mash Concentrate	G.	36.00	3.50	8.00	....	....	....	Animal liver meal, riboflavin supplement, fish meal, dried milk by-product, dehydrated alfalfa meal, soybean oil meal, meat scraps, corn gluten meal, corn gluten feed, 0.1% manganese sulphate (not less than 0.0246% Mn), 7.2% ground limestone (not less than 2.88% Ca), 0.1% iron oxide (not less 0.1% Fe_2O_3), 0.5% iodized salt (not more than 0.5% iodized NaCl).
	F.	38.22	4.24	7.22	7.92	14.27	28.13	

Brand Manufacturer		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Wayne 26% Mash Supplement	G.	26.00	3.50	10.00	....	....	....	Animal liver meal, riboflavin supplement, fish meal, dried milk by-product, dehydrated alfalfa meal, soybean oil meal, meat scraps, corn gluten meal, wheat standard middlings, corn gluten feed, wheat bran, 0.06% manganese sulphate, 4.5% ground limestone, 0.06% iron oxide, 0.3% iodized salt, fortified sardine oil.
	F.	26.88	4.19	9.05	8.24	13.39	38.25	
Wayne Pork Maker	G.	14.00	3.50	7.00	....	....	....	Digester tankage, meat scraps, cottonseed meal, old process linseed oil meal, fish meal, soybean oil meal, fine ground oats, corn meal, wheat standard middlings, fine ground alfalfa meal, cane molasses, 1.5% ground limestone, 0.3% steamed bone meal, 0.03% iron oxide, 0.6% iodized salt, 0.0003% copper sulphate.
	F.	19.96	3.64	5.24	10.13	6.43	54.60	
Wayne Poultry Fattener	G.	13.50	3.00	8.00	....	....	....	Rolled oats, white hominy feed, wheat red dog, wheat standard middlings, fine ground oats, corn germ oil meal, old process linseed oil meal, ground yellow corn, 4% ground limestone, 1% salt.
	F.	15.41	6.53	6.39	8.86	8.44	54.37	
Wayne Turkey Growing Mash	G.	20.00	3.50	8.00	....	....	....	Animal liver meal, riboflavin supplement, fish meal, dried milk by-product, dehydrated alfalfa meal, soybean oil meal, meat scraps, corn gluten meal, wheat standard middlings, fine ground oats, wheat bran, yellow corn meal, 0.04% manganese sulphate, 2.7% ground limestone, 0.04% iron oxide, 0.2% iodized salt, fortified sardine oil.
	F.	22.37	3.74	5.37	9.53	7.89	51.10	
American Maize Products Co. Roby, Ind.								
Amaizo Cream of Corn Gluten Feed	G.	23.00	2.00	9.50	....	....	....	Corn gluten feed.
	F.	27.71	2.51	7.66	7.59	7.85	46.68	
Amaizo Gluten Meal	G.	41.00	1.00	6.00	....	....	....	
	F.	44.04	2.34	3.78	8.49	3.57	37.78	
Amaizo Sweetened Gluten Feed	G.	18.00	1.50	9.50	....	....	....	Corn gluten feed, corn sugar molasses.
	F.	27.62	3.40	7.48	7.99	7.85	45.66	
Archer-Daniels-Midland Co., Minneapolis, Minn.								
Archer Brand Old Process 32% Protein Linseed Meal ..	G.	32.00	3.50	9.00	....	....	....	
	F.	33.62	5.06	8.37	9.49	5.60	37.87	
Ashcraft-Wilkinson Co., Atlanta, Ga.								
Cow-Eta Brand Cottonseed Meal	G.	41.00	5.00	13.00	....	....	....	Cottonseed meal.
	F.	41.55	5.98	9.78	6.39	8.03	28.27	

E. W. Bailey & Co., Montpelier, Vt.								
Bailey's B-20	G.	20.00	3.50	13.00	....	....	....	Corn gluten feed, soybean oil meal, cottonseed meal, linseed oil meal, wheat bran, white hominy feed, yellow corn meal, dried brewers' grains, oat meal mill by-products (oat middlings, oat hulls, oat shorts), cane molasses, steamed bone meal, calcium carbonate, salt.
	F.	21.01	4.41	13.23	7.94	7.65	45.76	
Bailey's Capital Dairy Ration	G.	24.00	4.00	8.00	....	....	....	Corn gluten feed, yellow corn meal, white hominy feed, ground oats, wheat bran, linseed oil meal, cottonseed meal, soybean oil meal, salt, calcium carbonate, steamed bone meal, cane molasses, irradiated yeast.
	F.	24.43	4.11	7.80	9.42	7.18	47.06	
Bailey's Capital Wheat Mixed Feed	G.	15.00	3.50	8.50	....	....	....	Wheat bran, wheat red dog flour.
	F.	16.54	4.04	6.74	10.71	4.19	57.78	
Bailey's 16% Dairy Ration	G.	16.00	3.80	8.00	....	....	....	Corn gluten feed, yellow corn meal, white hominy feed, ground oats, ground barley, wheat bran, linseed oil meal, cottonseed meal, soybean oil meal, salt, calcium carbonate, steamed bone meal, cane molasses, irradiated yeast.
	F.	17.95	4.57	7.06	10.01	7.46	52.95	
Bailey's 18% Dairy Ration	G.	18.00	4.00	8.00	....	....	....	Corn distillers' dried grains, corn gluten feed, brewers' dried grains, ground oats, ground barley, hominy feed, yellow corn meal, soybean oil meal, linseed oil meal, wheat bran, dried molasses citrus pulp, salt, steamed bone meal, calcium carbonate, cane molasses, irradiated brewers' type yeast.
	F.	20.27	3.86	7.69	9.02	7.39	51.77	
Bailey's Favorite Dairy Ration	G.	20.00	3.80	7.50	....	....	....	Corn gluten feed, yellow corn meal, white hominy feed, ground oats, wheat standard middlings, wheat bran, linseed oil meal, cottonseed meal, soybean oil meal, salt, calcium carbonate, steamed bone meal, cane molasses, irradiated brewers' type yeast.
	F.	20.40	4.08	7.72	9.00	7.09	51.71	
Bailey's Fitting Ration	G.	14.00	4.00	8.00	....	....	....	Irradiated yeast, dehydrated alfalfa meal, yellow corn meal, white hominy feed, wheat bran, linseed oil meal, soybean oil meal, crimped oats, ground oats, salt, calcium carbonate, steamed bone meal, cane molasses.
	F.	14.94	4.52	8.25	10.17	6.92	55.20	
Bailey's Hay Supplement	G.	6.00	2.00	30.00	....	....	....	Dried molasses beet pulp, dried molasses citrus pulp, chopped alfalfa, oat meal mill by-products (oat middlings, oat hulls, oat shorts).
	F.	6.39	1.90	25.05	8.16	6.14	52.36	
Bailey's Horse Feed	G.	10.50	3.50	9.00	....	....	....	Crimped oats, cut alfalfa, cracked corn, wheat bran, linseed oil meal, cane molasses, salt.
	F.	12.78	3.75	7.13	10.89	4.20	61.25	
Bailey's Pennant Brand Breeder Mash	G.	20.00	4.00	7.00	....	....	....	Dried whey, dried milk albumen, flavin concentrate, ground oats, ground barley, meat scraps, fish meal, blood flour, soybean oil meal, wheat red dog flour, wheat standard middlings, wheat bran, yellow corn meal, corn gluten meal, dehydrated alfalfa meal, dehydrated cereal grasses, locust bean meal, rice polishings, salt, calcium carbonate, bone meal, potassium iodide, manganese sulphate, wheat germ oil, fortified vitamin A and D feeding oil, D-activated animal sterol (vitamin D).
	F.	22.33	4.80	4.59	9.81	10.55	47.92	

Brand Manufacturer		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Bailey's Pennant Brand Boiler Mash	G.	20.00	4.00	7.00	....	....	....	Dried whey, dried milk albumen, ground oats, ground barley, meat scraps, fish meal, blood flour, soybean oil meal, wheat red dog flour, wheat standard middlings, wheat bran, yellow corn meal, corn gluten meal, dehydrated alfalfa meal, dehydrated cereal grasses, locust bean meal, rice polishings, salt, calcium carbonate, bone meal, potassium iodide, manganese sulphate, wheat germ oil, fortified vitamin A and D feeding oil, D-activated animal sterol (vitamin D).
	F.	21.58	4.39	4.61	9.84	8.29	51.29	
Bailey's Pennant Brand Calf Ration	G.	15.00	4.00	8.50	....	....	....	Irradiated brewers' type yeast, dried albumen of milk, wheat bran, yellow corn meal, white hominy feed, cracked corn, crimped oats, ground oats, soybean oil meal, linseed oil meal, dehydrated alfalfa meal, locust bean meal, rice polishings, blood flour, fish meal, cocoa, anise oil, fenugreek, salt, calcium carbonate, steamed bone meal, potassium iodide, cane molasses.
	F.	15.94	4.11	7.76	9.83	6.60	55.76	
Bailey's Pennant Brand Chick Starter	G.	18.00	4.00	6.50	....	....	....	Dried whey, dried milk albumen, ground oats, ground barley, meat scraps, fish meal, blood flour, soybean oil meal, wheat red dog flour, wheat standard middlings, wheat bran, yellow corn meal, dehydrated alfalfa meal, locust bean meal, rice polishings, salt, calcium carbonate, bone meal, potassium iodide, manganese sulphate, wheat germ oil, fortified vitamin A and D feeding oil, D-activated animal sterol (vitamin D).
	F.	19.20	4.30	4.63	9.88	9.24	52.75	
Bailey's Pennant Brand Complete Egg Ration	G.	16.00	3.50	7.00	....	....	....	Dried milk by-product, riboflavin supplement, fish meal, meat scraps, blood flour, dehydrated unjointed grasses, dehydrated alfalfa meal, soybean oil meal, locust bean meal, ground wheat, wheat bran, wheat standard middlings, wheat red dog, rice polishings, ground oats, ground barley, yellow corn meal, salt, calcium carbonate, steamed bone meal, potassium iodide, manganese sulphate, wheat germ oil, vitamin A and D feeding oil, D-activated animal sterol (vitamin D).
	F.	19.13	3.33	5.40	11.17	8.51	52.46	
Bailey's Pennant Brand Complete Grower	G.	15.00	4.00	7.00	....	....	....	Dried whey, dried milk albumen, ground oats, ground barley, meat scraps, fish meal, blood flour, soybean oil meal, wheat red dog flour, wheat standard middlings, wheat bran, yellow corn meal, corn gluten meal, dehydrated alfalfa meal, dehydrated cereal grasses, locust bean meal, rice polishings, salt, calcium carbonate, bone meal, potassium iodide, manganese sulphate, wheat germ oil, fortified vitamin A and D feeding oil, D-activated animal sterol (vitamin D).
	F.	16.02	4.09	5.01	11.70	6.79	56.39	
Bailey's Pennant Brand Complete Starter	G.	17.50	4.00	6.50	....	....	....	Dried whey, dried milk albumen, ground oats, ground barley, meat scraps, fish meal, blood flour, soybean oil meal, wheat red dog flour, wheat standard middlings, wheat bran, yellow corn meal, dehydrated alfalfa meal, locust bean meal, rice polishings, salt, calcium carbonate, bone meal, potassium iodide, manganese sulphate, wheat germ oil, fortified vitamin A and D feeding oil, D-activated animal sterol (vitamin D).
	F.	20.49	4.74	4.81	9.96	8.98	51.02	

Bailey's Pennant Brand C-20 Dairy Ration	G.	20.00	3.50	13.00	....	....	....	Dried beet pulp, corn gluten feed, corn distillers' dried grains, brewers' dried grains, hominy feed, yellow corn meal, ground barley, ground wheat, wheat bran, oat meal mill by-products (oat middlings, oat hulls, oat shorts), ground grain screenings, soybean oil meal, cottonseed meal, linseed oil meal, steamed bone meal, calcium carbonate, salt.
	F.	20.14	4.59	13.15	7.27	7.57	47.28	
Bailey's Pennant Brand Growing Mash	G.	18.00	4.00	7.00	....	....	....	Dried whey, dried milk albumen, ground oats, ground barley, meat scraps, fish meal, blood flour, soybean oil meal, wheat red dog flour, wheat standard middlings, wheat bran, yellow corn meal, corn gluten meal, dehydrated alfalfa meal, dehydrated cereal grasses, locust bean meal, rice polishings, salt, calcium carbonate, bone meal, potassium iodide, manganese suluhate, wheat germ oil, fortified vitamin A and D feeding oil, D-activated animal sterol (vitamin D).
	F.	19.88	4.35	5.59	10.24	7.64	52.30	
Bailey's Pennant Brand Laying Mash	G.	20.00	4.00	7.00	....	....	....	Dried whey, dried milk albumen, ground oats, ground barley, meat scraps, fish meal, blood flour, soybean oil meal, wheat red dog flour, wheat standard middlings, wheat bran, yellow corn meal, corn gluten feed, dehydrated alfalfa meal, dehydrated cereal grasses, locust bean meal, rice polishings, salt, calcium carbonate, bone meal, potassium iodide, manganese sulphate, wheat germ oil, fortified vitamin A and D feeding oil, D-activated animal sterol (vitamin D).
	F.	21.01	4.00	6.54	9.86	9.49	49.10	
Bailey's Pennant Brand Pig Feed	G.	17.00	3.50	7.00	.....	....	....	Wheat red dog flour, wheat standard middlings, yellow corn meal, corn gluten feed, ground oats, ground barley, soybean oil meal, linseed oil meal, dehydrated alfalfa meal, meat scraps, salt, calcium carbonate, manganese sulphate, irradiated brewers' type yeast.
	F.	18.25	4.05	6.33	11.37	7.35	52.65	
Bailey's Pennant Brand Special Growing Ration	G.	16.00	3.50	7.00	....	....	....	Flavin concentrate, fish meal, meat scraps, corn gluten meal, soybean oil meal, dehydrated alfalfa meal, dehydrated cereal grasses, yellow corn meal, wheat bran, wheat standard middlings, ground oats, ground barley, calcium carbonate, salt, manganese sulphate, D-activated animal sterol (vitamin D).
	F.	17.28	3.79	4.47	10.56	6.33	57.57	
Bailey's Penant Brand Turkey Fattener	G.	20.00	4.00	6.00	....	....	....	Dried whey, dried milk albumen, ground oats, yellow corn meal, corn gluten meal, wheat red dog flour, wheat standard middlings, wheat bran, blood flour, meat scraps, fish meal, bone meal, soybean oil meal, locust bean meal, rice polishings, dehydrated alfalfa meal, calcium carbonate, salt, potassium iodide, manganese sulphate, wheat germ oil, fortified vitamin A and D feeding oil, D-activated animal sterol (vitamin D).
	F.	19.79	3.79	4.74	9.82	7.09	54.77	
Bailey's 20 Special	G.	20.00	3.50	9.00	....	....	....	Corn gluten feed, soybean oil meal, cottonseed meal, linseed oil meal, wheat standard middlings, wheat bran, yellow corn meal, white hominy feed, oat meal mill by-products (oat middlings, oat hulls, oat shorts), salt, steamed bone meal, calcium carbonate.
	F.	21.71	4.01	8.93	8.68	8.38	48.29	
Bailey's Stock Feed	G.	9.50	3.50	12.00	....	....	....	White hominy feed, ground oats, ground barley, linseed oil meal, oat meal mill by-products (oat middlings, oat hulls, oat shorts), salt, calcium carbonate, steamed bone meal, cane molasses.
	F.	10.28	3.43	12.75	8.78	6.04	58.72	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Bailey's Twentieth Century 16 Dairy Ration	G.	16.00	4.00	9.00	....	....	....	Corn gluten feed, corn distillers' dried grains, brewers' dried grains, yellow corn meal, white hominy feed, ground oats, ground barley, wheat bran, linseed oil meal, soybean oil meal, cottonseed meal, dried beet pulp, salt, calcium barbonate, steamed bone meal, cane molasses.
	F.	17.34	4.80	8.19	9.19	7.29	53.19	
Bailey's Victory 20	G.	20.00	3.75	8.50	....	....	....	Corn gluten feed, corn distillers' dried grains, yellow corn meal, white hominy feed, ground wheat, wheat bran, ground barley, cut alfalfa, corn gluten meal, linseed oil meal, cottonseed meal, cane molasses, steamed bone meal, calcium carbonate, salt, irradiated brewers' type yeast.
	F.	21.06	3.91	8.50	8.38	7.28	50.87	
G. N. Bartemus Co., Concord, N. H.								
Bailey's Dry Cow and Fitting Ration	G.	15.00	3.50	10.00	....	....	....	Wheat bran, soybean oil meal, corn gluten meal, crimped oats, dried beet pulp, corn meal, alfalfa meal, wheat standard middlings, molasses, calcium phosphate, salt, linseed, bone meal, irradiated yeast.
	F.	18.82	4.44	8.24	10.50	6.04	51.96	
Bailey's Hillsboro 20% Dairy Ration	G.	20.00	4.00	8.00	....	....	....	Corn meal, corn distillers' dried grains, wheat bran, ground oats, ground barley, cottonseed meal, linseed oil meal, soybean oil meal, corn gluten meal, calcium carbonate, salt, bone meal, molasses.
	F.	20.27	4.96	7.31	9.82	6.29	51.35	
Bailey's Pennant Brand All Purpose Mash	G.	18.00	4.00	7.00	....	....	....	Dried milk albumen, ground oats, ground barley, meat scraps, fish meal, blood flour, soybean oil meal, wheat red dog flour, wheat standard middlings, wheat bran, ground wheat, yellow corn meal, corn gluten meal, dehydrated alfalfa meal, locust bean meal, rice polishings, salt, calcium carbonate, bone meal, potassium iodide, manganese sulphate, fortified vitamin A and D feeding oil, D-activated animal sterol (vitamin D).
	F.	18.39	3.92	4.39	10.58	6.10	56.62	
Barco Special 15% Fitting	G.	15.00	3.50	8.00	....	....	....	Chopped alfalfa, corn gluten feed, yellow corn meal, wheat bran, linseed oil meal, ground oats, ground barley, ground wheat, beet pulp, molasses, lime, salt, bone meal, irradiated yeast.
	F.	16.73	4.34	8.49	9.96	7.22	53.26	
Beacon Milling Co., Cayuga, N. Y.								
Auburn Dairy Feed	G.	20.00	3.75	10.00	....	....	....	Corn gluten feed, old process linseed oil meal, soybean oil meal, ground oats, corn meal, ground grain screenings, cottonseed meal, wheat bran, ground barley, corn distillers' dried grains, feeding molasses, 1% salt, 1% steamed bone meal.
	F.	21.05	4.04	8.48	9.16	6.48	50.79	
Beacon 24	G.	24.00	4.00	9.00	....	....	....	Old process linseed oil meal, soybean oil meal, cottonseed meal, corn gluten feed, corn distillers' dried grains, wheat bran, ground oats, ground barley, 1½% salt, 1% calcium carbonate, 2% steamed bone meal.
	F.	27.58	4.73	8.27	8.89	9.09	41.44	
Beacon Breeders' Mash	G.	20.00	4.00	7.50	....	....	....	Dried skimmed milk, liver meal, meat scraps, fish meal, dehydrated alfalfa leaf meal, corn meal, pulverized heavy oats, pulverized heavy barley, wheat bran, wheat flour middlings, wheat germ meal, soybean oil meal, steamed bone meal, riboflavin supplement, fortified vitamin A and D feeding oil, ½% iodized salt, 3% calcium barbonate, 70 p. p. m. anhydrous manganese sulphate.
	F.	20.62	5.28	6.68	8.34	11.85	47.23	

Beacon Broiler Feed (pellets)	G.	24.00	4.00	7.00	....	....	....	Dried skimmed milk, liver meal, meat scraps, fish meal, ground yellow corn, pulverized heavy oats, wheat bran, wheat red dog, wheat germ meal, corn gluten meal, dehydrated alfalfa leaf meal, riboflavin supplement, fortified vitamin A and D feeding oil, 2½% calcium carbonate, ½% iodized salt, 35 p. p. m. anhydrous manganese sulphate.
	F.	25.22	4.86	4.68	8.52	9.32	47.40	
Beacon C-C Pellets	G.	18.00	1.00	5.00	....	....	....	Dried skimmed milk, ground yellow corn, liquid petrolatum, sulphur sublimatum, pulverized heavy barley, wheat bran, fortified vitamin A and D feeding oil, ½% iodized salt.
	F.	18.43	7.29	3.97	9.76	5.71	54.84	
Beacon Calf Grain	G.	14.00	4.00	10.00	....	....	....	Old process linseed oil meal, wheat bran, corn meal, crushed oats, crushed barley, dehydrated alfalfa leaf meal, feeding molasses, fortified vitamin A and D feeding oil, D-activated animal sterol, iron sulphate, copper sulphate, cobalt carbonate, magnesium sulphate, manganese sulphate, potassium iodide, 1% salt, ½% calcium carbonate, 1% steamed bone meal.
	F.	15.37	4.48	7.17	11.25	5.66	56.09	
Beacon Calf Starter	G.	19.00	3.50	7.00	....	....	....	Dried skimmed milk, blood flour, liver meal, fish meal, old process linseed oil meal, soybean oil meal, wheat red dog, wheat bran, ground corn, ground oat groats, crushed oats, crushed barley, dehydrated alfalfa leaf meal, feeding molasses, brewers' dried yeast, fortified vitamin A and D feeding oil, ½% calcium carbonate, 1% steamed bone meal, ½% salt.
	F.	18.01	4.48	5.85	9.84	5.72	56.10	
Beacon's Cayuga Horse Feed .	G.	10.00	2.50	9.00	....	....	....	Cracked corn, crimped oats, crushed barley, cut alfalfa, feeding molasses, 1% calcium carbonate, 1% iodized salt, 75 p. p. m. anhydrous manganese sulphate.
	F.	11.07	3.09	7.19	10.41	4.29	63.95	
Beacon Complete Rabbit Ration	G.	13.50	2.50	16.00	....	....	....	Cut alfalfa, crushed barley, crushed oats, feeding molasses, cracked corn, wheat red dog, dried skimmed milk, liver meal, old process linseed oil meal, soybean oil meal, dehydrated alfalfa leaf meal, corn gluten meal, wheat bran, irradiated yeast, pulverized heavy oats, pulverized heavy barley, ground yellow corn, wheat germ meal, 1½% steamed bone meal, ½% iodized salt, brewers' blended yeast.
	F.	14.49	3.12	11.46	10.29	5.49	55.15	
Beacon Complete Starting Ration	G.	23.00	4.00	6.50	....	....	....	Dried skimmed milk, liver meal, meat scraps, fish meal, ground yellow corn, riboflavin supplement, pulverized heavy oats, wheat bran, wheat red dog, wheat germ meal, corn gluten meal, dehydrated alfalfa leaf meal, fortified vitamin A and D feeding oil, 2% calcium carbonate, ½% iodized salt, 35 p. p. m. anhydrous manganese sulphate.
	F.	24.39	5.15	5.16	8.37	9.51	47.42	
Beacon Dairy Ration	G.	24.00	4.50	9.00	....	....	....	Old process linseed oil meal, soybean oil meal, corn gluten feed, corn distillers' dried grains, ground barley, corn gluten meal, hominy feed, corn meal, cottonseed meal, ground oats, wheat bran, wheat middlings, 1% salt, 1% calcium carbonate, 1% steamed bone meal.
	F.	24.74	4.50	7.61	8.29	6.88	47.98	
Beacon 22 Egg Mash	G.	22.00	4.50	7.50	....	....	....	Dried skimmed milk, liver meal, meat scraps, fish meal, pulverized heavy barley, pulverized heavy oats, corn meal, soybean oil meal, dehydrated alfalfa leaf meal, wheat bran, wheat flour middlings, wheat germ meal, steamed bone meal, riboflavin supplement, fortified vitamin A and D feeding oil, 3% calcium carbonate, ½% iodized salt, 70 p. p. m. anhydrous manganese sulphate.
	F.	22.07	5.33	5.86	9.46	10.93	46.35	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Beacon Fitting Ration	G.	14.00	3.75	8.00	....	....	....	Crushed oats, crushed barley, old process linseed oil meal, hominy feed, corn meal, wheat bran, wheat middlings, feeding molasses, iron sulphate, copper sulphate, cobalt carbonate, magnesium sulphate, manganese sulphate, potassium iodide, 1% salt, ½% calcium carbonate, 1½% steamed bone meal, dehydrated alfalfa leaf meal, irradiated yeast.
	F.	14.23	3.96	6.92	10.88	6.53	57.48	
Beacon Fleshing Pellets	G.	15.00	3.25	7.50	....	....	....	Dried skimmed milk, pulverized heavy oats, pulverized heavy barley, dehydrated alfalfa leaf meal, wheat low grade flour, corn meal, corn oil meal, wheat germ meal, soybean oil meal, riboflavin supplement, fortified vitamin A and D feeding oil, D-activated animal sterol, 2½% calcium carbonate, brewers' dried yeast, 1% iodized salt, 70 p. p. m. anhydrous manganese sulphate.
	F.	19.65	3.41	5.67	11.04	6.34	53.89	
Beacon Goat Ration	G.	16.00	4.00	10.00	....	....	....	Old process linseed oil meal, soybean oil meal, cracked corn, wheat bran, corn distillers' dried grains, crushed oats, crushed barley, dried beet pulp, feeding molasses, ½% calcium carbonate, 1% steamed bone meal, 1% iodized salt.
	F.	15.83	3.66	7.60	10.25	5.16	57.50	
Beacon 18 Growing Mash	G.	18.00	4.00	7.50	....	....	....	Dried skimmed milk, liver meal, meat scraps, fish meal, pulverized heavy oats, pulverized heavy barley, corn meal, corn gluten meal, soybean oil meal, wheat red dog, dehydrated alfalfa leaf meal, wheat bran, wheat flour middlings, wheat germ meal, riboflavin supplement, fortified vitamin A and D feeding oil, 2% calcium carbonate, ½% iodized salt, 70 p. p. m. anhydrous manganese sulphate, 1% steamed bone meal.
	F.	18.91	4.90	6.30	9.58	9.44	50.87	
Beacon 20 Laying Mash	G.	20.00	4.00	7.50	....	....	....	Dried skimmed milk, liver meal, fish meal, meat scraps, corn meal, soybean oil meal, dehydrated alfalfa leaf meal, wheat bran, wheat flour middlings, pulverized heavy barley, pulverized heavy oats, wheat germ meal, steamed bone meal, riboflavin supplement, fortified vitamin A and D feeding oil, 3% calcium carbonate, ½% iodized salt, 70 p. p. m. anhydrous manganese sulphate.
	F.	20.87	4.40	6.37	9.26	10.07	49.03	
Beacon Poultry Fitting Ration	G.	12.00	3.00	9.00	....	....	....	Old process linseed oil meal, soybean oil meal, corn gluten meal, corn gluten feed, cut alfalfa, crushed barley, cracked corn, crimped oats, feeding molasses, 1% iodized salt.
	F.	16.55	3.00	6.04	11.04	4.00	59.37	
Beacon Sheep Ration	G.	12.00	3.00	9.00	....	....	....	Old process linseed oil meal, soybean oil meal, cracked corn, wheat bran, crushed oats, crushed barley, feeding molasses, 1% steamed bone meal, ½% calcium carbonate, ½% salt.
	F.	17.95	3.37	5.93	10.92	5.90	55.93	
Beacon Special 20	G.	20.00	4.00	9.00	....	....	....	Old process linseed oil meal, soybean oil meal, corn distillers' dried grains, cottonseed meal, wheat bran, wheat middlings, corn gluten meal, corn gluten feed, crushed barley, corn meal, crushed oats, feeding molasses, manganese sulphate, 1% iodized salt, 1% steamed bone meal.
	F.	21.54	4.48	7.49	9.22	6.30	50.97	
Beacon Steer Fattener	G.	11.00	3.00	6.00	....	....	....	Old process linseed oil meal, cottonseed meal, soybean oil meal, wheat bran, crushed barley, crushed oats, cracked corn, feeding molasses, 1% calcium carbonate, ½% salt.
	F.	14.01	3.31	4.21	10.93	4.90	62.64	

Beacon Sweet 20	G.	20.00	4.00	9.00	....	....	....	Old process linseed oil meal, soybean oil meal, corn distillers' dried grains, cottonseed meal, wheat bran, wheat middlings, corn gluten meal, corn gluten feed, ground barley, corn meal, ground oats, feeding molasses, 1% salt, 1% steamed bone meal.
	F.	22.02	4.35	7.57	9.60	6.20	50.26	
Beacon Test Cow Ration	G.	18.00	4.75	9.00	....	....	....	Old process linseed oil meal, cottonseed meal, corn distillers' dried grains, soybean oil meal, corn gluten feed, corn meal, wheat bran, crushed oats, crushed barley, feeding molasses, 1% salt, 1% steamed bone meal.
	F.	18.39	4.93	7.56	9.90	5.62	53.60	
Beacon Turkey Flushing Feed	G.	18.00	1.00	5.00	....	....	....	Dried skimmed milk, ground yellow corn, liquid petrolatum, sulphur sublimatum, pulverized heavy barley, wheat bran, fortified vitamin A and D feeding oil, ½% iodized salt.
	F.	19.04	5.53	4.49	10.54	6.13	54.27	
Beacon Turkey Growing Feed	G.	20.00	4.00	7.00	....	....	....	Dried skimmed milk, liver meal, dehydrated alfalfa leaf meal, meat scraps, fish meal, wheat bran, wheat flour middlings, wheat red dog, corn gluten meal, soybean oil meal, pulverized heavy oats, pulverized heavy barley, corn meal, wheat germ meal, riboflavin supplement, fortified vitamin A and D feeding oil, 4% calcium carbonate, ½% iodized salt, brewers' yeast, 70 p. p. m. anhydrous manganese sulphate.
	F.	21.54	5.08	6.25	9.13	8.86	49.14	
Be-Co-Lass	G.	11.00	1.00	16.00	....	....	....	Alfalfa meal, ground barley, wheat bran, dried beet pulp, feeding molasses, 1% salt, 1½% steamed bone meal.
	F.	11.51	2.01	12.49	9.37	10.59	54.03	
Cayuga 16	G.	16.00	3.00	10.00	....	....	....	Old process linseed oil meal, cottonseed meal, gluten feed, ground oats, ground barley, corn meal, wheat bran, wheat middlings, soybean oil meal, feeding molasses, ground grain screenings, 1% salt, 1% steamed bone meal.
	F.	17.95	3.51	7.17	10.43	7.59	53.35	
L. Clayton Berry, Lebanon, N. H.								
Colonial Dairy Ration	G.	20.00	4.00	12.00	....	....	....	Corn meal or hominy feed, gluten feed, 41% cottonseed meal, wheat bran, brewers' grains, corn distillers' grains, ground oats, linseed oil meal, soybean meal, calcium carbonate, fine salt, molasses.
	F.	21.14	4.69	9.91	8.84	7.07	48.35	
Bisbee Linseed Co., Amsterdam, N. Y.								
K & M Brand 32% Protein Old Process Linseed Meal ...	G.	32.00	5.00	10.00	....	....	....	Commercial flaxseed.
	F.	33.01	6.61	8.19	10.19	5.59	36.41	
Blatchford Calf Meal Co., Waukegan, Ill.								
Blatchford Complete Calf Ration	G.	19.50	3.00	9.50	....	....	....	Anise, dried milk albumen, locust bean meal, rice polishings, blood flour, cocoa, cocoanut oil meal, soybean oil meal, red dog flour, standard wheat middlings, potassium iodide, ground beans, barley meal, cottonseed meal, irradiated yeast, calcium phosphate (bone meal), salt mixed with corn meal, crushed oats, wheat bran, alfalfa meal, dried beet pulp and molasses.
	F.	21.27	4.29	10.26	9.93	7.71	46.54	
Borden Company, New York, N. Y.								
Flaydry 85	G.	24.00	0.50	4.25	....	....	....	Dried milk by-product, dried whey solubles, soybean oil meal, vitamin A and D feeding oil.
	F.	42.05	3.03	5.12	5.45	9.04	35.31	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Central Sugar Co., Decatur, Ind.								
Dried Beet Pulp	G.	7.00	0.30	22.50	....	....	....	Composed only of residue of sugar beets dried after extraction of sugar.
	F.	9.45	0.84	20.07	12.88	3.27	53.49	
S. J. Cherry & Sons, Preston, Canada.								
Wheat Bran	G.	14.00	3.50	11.50	....	....	....	
	F.	15.63	4.96	11.08	9.69	6.56	52.08	
Clinton Company, Clinton, Iowa.								
Clinton Corn Gluten Feed	G.	23.00	2.00	8.50	....	....	....	
	F.	26.49	1.86	7.06	7.76	6.84	49.99	
Commander-Larabee Milling Co., Minneapolis, Minn.								
Sunfed Wheat Standard Middlings	G.	15.00	4.00	9.50	....	....	....	Ground screenings not exceeding mill run.
	F.	18.69	5.56	8.07	10.45	5.01	52.22	
Consolidated Rendering Co., Boston, Mass.								
Corenco 45% Meat and Bone Scrap	G.	45.00	6.00	....	....	....	....	Cooked meat and bone.
	F.	48.01	10.94	....	5.02	33.19	....	
Corenco 50% Meat and Bone Scrap	G.	50.00	6.00	....	....	....	....	
	F.	50.96	9.68	....	4.47	31.32	....	
Corn Products Refining Co., New York, N. Y.								
Buffalo Corn Gluten Feed	G.	23.00	2.00	8.50	....	....	....	Corn gluten feed.
	F.	24.82	2.59	7.90	9.15	6.40	49.14	
Charles M. Cox Co., Boston, Mass.								
Baby Chick Starter	G.	20.00	3.00	7.50	....	....	....	Riboflavin supplement. D-activated animal sterol (vitamin D), vitamin A and D feeding oil, dried skimmed milk, dried whey, meat scraps, fish meal, soybean oil meal, corn gluten meal, dehydrated alfalfa meal, yellow corn meal, ground wheat, wheat bran, wheat standard middlings, pulverized oats, calcium carbonate, manganese sulphate, salt.
	F.	20.75	4.06	5.13	9.31	8.07	52.68	
Wirthmore Breeder Mash	G.	20.00	3.00	7.00	....	....	....	Riboflavin supplement. D-activated animal sterol (vitamin D), vitamin A and D feeding oil, dried skimmed milk, dried whey, meat scraps, fish meal, soybean oil meal, corn gluten meal, dehydrated alfalfa meal, yellow corn meal, ground wheat, wheat bran, wheat standard middlings, ground oats, ground barley, calcium carbonate, manganese sulphate, salt.
	F.	22.94	3.86	5.39	10.12	9.04	48.65	

Wirthmore Complete Breeder .	G.	15.00	3.00	6.00	....	....	....	Riboflavin supplement, D-activated animal sterol (vitamin D), vitamin A and D feeding oil, dried skimmed milk, dried whey, meat scraps, fish meal, soybean oil meal, dehydrated alfalfa meal, yellow corn meal, ground wheat, wheat bran, wheat standard middlings, ground oats, ground barley, calcium carbonate, manganese sulphate, salt.
	F.	16.68	4.08	4.87	10.13	8.24	56.00	
Wirthmore Complete Egg Ration	G.	15.00	3.00	6.00	....	....	....	Riboflavin supplement, D-activated animal sterol (vitamin D), vitamin A and D feeding oil, dried skimmed milk, dried whey, meat scraps, fish meal, soybean oil meal, corn gluten meal, dehydrated alfalfa meal, yellow corn meal, ground wheat, wheat bran, wheat standard middlings, ground oats, ground barley, calcium carbonate, manganese sulphate, salt.
	F.	15.59	3.71	5.24	10.46	7.91	57.09	
Wirthmore Complete Growing Ration	G.	15.00	3.00	7.00	....	....	....	Riboflavin supplement, D-activated animal sterol (vitamin D), vitamin A and D feeding oil, dried skimmed milk, dried whey, meat scraps, fish meal, soybean oil meal, corn gluten meal, dehydrated alfalfa meal, yellow corn meal, ground wheat, wheat bran, wheat standard middlings, ground oats, ground barley, calcium carbonate, manganese sulphate, salt.
	F.	17.20	3.96	5.59	9.70	7.55	56.00	
Wirthmore 20 Dairy Ration ..	G.	20.00	4.50	8.00	....	....	....	Old process linseed oil meal, soybean oil meal, cottonseed meal, corn gluten meal, corn gluten feed, corn distillers' dried grains, yellow corn meal, ground oats, ground barley, ground wheat, wheat bran, wheat standard middlings, cane molasses, steamed bone meal, salt.
	F.	17.69	5.00	6.53	9.94	4.64	56.20	
Wirthmore 25 Dairy Ration ..	G.	25.00	4.50	8.50	....	....	....	Old process linseed meal, soybean oil meal, cotton seed meal, corn gluten meal, corn gluten feed, corn distillers' dried grains, yellow corn meal, ground oats, ground barley, wheat bran, wheat standard middlings, cane molasses, steamed bone meal, salt.
	F.	25.00	5.22	8.41	8.44	6.33	46.60	
Wirthmore 32 Dairy Supplement	G.	32.00	4.00	8.00	....	....	....	Old process linseed oil meal, soybean oil meal, cottonseed meal, corn gluten meal, corn gluten feed, corn distillers' dried grains, wheat bran, cane molasses, steamed bone meal, calcium carbonate, salt.
	F.	29.53	4.95	7.79	9.17	7.48	41.08	
Wirthmore 14 Fitting Ration .	G.	14.00	4.00	8.00	....	....	....	Irradiated yeast, flaked barley, vitamin A feeding oil, old process linseed oil meal, yellow corn meal, hominy feed, crimped oats, ground oats, ground barley, wheat bran, wheat standard middlings, cane molasses, fish meal, steamed bone meal, salt.
	F.	15.81	4.26	5.99	10.12	4.88	58.94	
Wirthmore Growing Mash ...	G.	17.50	3.00	7.00	....	....	....	Riboflavin supplement, D-activated animal sterol (vitamin D), vitamin A and D feeding oil, dried skimmed milk, dried whey, meat scraps, fish meal, soybean oil meal, dehydrated alfalfa meal, yellow corn meal, ground wheat, wheat bran, wheat standard middlings, ground oats, ground barley, calcium carbonate, manganese sulphate, salt.
	F.	19.31	3.75	5.44	9.85	9.13	52.52	
Wirthmore Horse Feed	G.	9.80	3.25	9.00	....	....	....	Old process linseed oil meal, cracked yellow corn, crimped oats, chopped alfalfa, cane molasses, salt.
	F.	12.17	3.67	6.56	10.60	3.52	63.48	
Wirthmore Laying Mash	G.	20.00	3.00	7.00	....	....	....	Riboflavin supplement, D-activated animal sterol (vitamin D), vitamin A and D feeding oil, dried skimmed milk, dried whey, meat scraps, fish meal, soybean oil meal, corn gluten meal, dehydrated alfalfa meal, yellow corn meal, ground wheat, wheat bran, wheat standard middlings, ground oats, ground barley, calcium carbonate, manganese sulphate, salt.
	F.	20.79	3.31	5.56	9.43	9.96	50.95	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Wirthmore Pig and Hog Feed	G.	17.00	4.00	9.00	....	....	....	Irradiated yeast, vitamin A feeding oil, old process linseed oil meal, corn gluten feed, yellow corn meal, hominy feed, ground barley, alfalfa meal, wheat bran, wheat standard middlings, wheat red dog, cane molasses, fish meal, meat scraps, steamed bone meal, calcium carbonate, salt.
	F.	18.21	5.12	6.65	10.14	9.35	50.53	
Wirthmore Poultry Flush	G.	17.50	3.00	6.00	....	....	....	D-activated animal sterol (vitamin D), vitamin A and D feeding oil, dried whey, meat scraps, fish meal, soybean oil meal, dehydrated alfalfa meal, yellow corn meal, ground wheat, wheat bran, wheat standard middlings, wheat red dog, ground oats, calcium carbonate.
	F.	19.70	2.72	4.16	8.57	9.62	55.23	
Wirthmore 16 Record Ration .	G.	16.00	4.00	8.00	....	....	....	Old process linseed oil meal, soybean oil meal, corn gluten meal, corn gluten feed, corn distillers' dried grains, yellow corn meal, hominy feed, crimped oats, ground oats, ground barley, flaked barley, ground wheat, wheat bran, wheat standard middlings, cane molasses, steamed bone meal, calcium carbonate, salt.
	F.	18.43	4.52	6.57	9.97	6.08	54.43	
Wirthmore Special Broiler Ration	G.	20.00	3.00	6.50	....	....	....	Riboflavin supplement, D-activated animal sterol (vitamin D), vitamin A and D feeding oil, dried skimmed milk, dried whey, meat scraps, fish meal, soybean oil meal, corn gluten meal, dehydrated alfalfa meal, yellow corn meal, ground wheat, wheat bran, wheat standard middlings, ground oats, ground barley, calcium carbonate, manganese sulphate, salt.
	F.	20.44	3.68	4.88	10.21	6.68	54.11	
Wirthmore Standard 18 Dairy Ration	G.	18.00	3.00	8.50	....	....	....	Old process linseed oil meal, corn gluten feed, brewers' dried grains, yellow corn meal, hominy feed, ground oats, ground barley, ground wheat, wheat bran, wheat standard middlings, cane molasses, calcium carbonate, salt.
	F.	19.79	3.71	7.79	10.42	6.56	51.73	
Wirthmore Standard 20 Dairy	G.	20.00	4.00	8.00	....	....	....	Old process linseed oil meal, soybean oil meal, cottonseed meal, corn gluten meal, corn gluten feed, corn distillers' dried grains, brewers' dried grains, yellow corn meal, hominy feed, ground oats, ground barley, ground wheat, wheat bran, wheat standard middlings, cane molasses, calcium carbonate, salt.
	F.	20.01	4.18	7.06	9.87	7.43	51.45	
Wirthmore Starter and Broiler	G.	19.00	3.00	7.50	....	....	....	Riboflavin supplement, D-activated animal sterol (vitamin D), vitamin A and D feeding oil, dried skimmed milk, dried whey, meat scraps, fish meal, soybean oil meal, corn gluten meal, dehydrated alfalfa meal, yellow corn meal, ground wheat, wheat bran, wheat standard middlings, ground oats, ground barley, calcium carbonate, manganese sulphate, salt.
	F.	22.72	3.39	5.19	9.76	7.32	51.62	
Wirthmore Stock Feed	G.	9.00	4.00	9.50	....	....	....	Ground corn, hominy feed, ground oats, ground barley, wheat standard middlings, oat mill feed (oat hulls, oat shorts, oat middlings), cane molasses, steamed bone meal, calcium carbonate, salt.
	F.	11.56	5.52	8.02	9.08	5.71	60.11	
Wirthmore Turkey Fattening Ration	G.	16.00	3.00	7.00	....	....	....	Riboflavin supplement, dried skimmed milk, dried whey, meat scraps, soybean oil meal, corn gluten meal, dehydrated alfalfa meal, yellow corn meal, ground wheat, wheat bran, wheat standard middlings, ground oats, ground barley, calcium carbonate, salt.
	F.	18.65	3.81	5.49	9.71	6.86	55.48	

Wirthmore Turkey Growing Ration	G.	20.00	3.00	7.00	....	....	....	Riboflavin supplement, D-activated animal sterol (vitamin D), vitamin A and D feeding oil, dried skimmed milk, dried whey, meat scraps, fish meal, soybean oil meal, corn gluten meal, dehydrate alfalfa meal, yellow corn meal, ground wheat, wheat bran, wheat standard middlings, ground oats, ground barley, calcium carbonate, manganese sulphate, salt.
	F.	20.14	3.45	5.68	9.42	9.75	51.56	
Wirthmore Twin Mix Calf Ration	G.	17.00	4.00	7.00	....	....	....	Riboflavin supplement, irradiated yeast, vitamin A feeding oil, dried skimmed milk, ground flaxseed, blood flour, dextrose, old process linseed oil meal, hominy feed, crimped oats, ground oats, feeding oat meal, ground barley, wheat bran, wheat standard middlings, wheat red dog, cane molasses, fish meal, steamed bone meal, ground fenugreek, ground anise, iodized salt, soybean oil meal, yellow corn meal.
	F.	18.21	4.42	6.06	10.09	6.34	54.88	
G. B. Currier Co., Colebrook, N. H.								
Champion Dairy Ration	G.	24.00	4.75	8.50	....	....	....	Bran, choice cottonseed meal, buffalo gluten feed, diamond gluten meal, linseed oil meal, fancy ground oats, corn meal or hominy, brewers' dried grains, distillers' grains, middlings, ¾% salt, bone meal.
	F.	22.00	4.55	7.81	9.12	6.41	50.11	
Dailey Mills, Binghamton, N. Y.								
Dailey's Egg Producer Mash	G.	19.00	4.00	7.00	....	....	....	Dried skimmed milk. dried whey, cod liver oil, lactoflavin concentrate, fish meal, meat and bone meal, alfalfa leaf meal, ground whole oats, ground barley, soybean oil meal, wheat bran, wheat middlings, red dog, corn meal, calcium carbonate, linseed oil meal, 0.0125% manganese sulphate, steamed bone meal, salt.
	F.	20.27	3.82	7.17	10.29	10.49	47.96	
Dailey's Fitting Ration	G.	14.00	4.00	7.00	....	....	....	Soybean oil meal, wheat, wheat bran, corn meal, ground barley, crimped oats, old process linseed oil meal, corn germ oil meal, calcium carbonate, steamed bone meal, molasses, iodized salt.
	F.	15.54	3.79	7.28	10.63	6.08	56.68	
Dailey's 20% Milk Producer	G.	20.00	4.00	10.00	....	....	....	Soybean oil meal, corn germ oil meal, old process linseed oil meal, corn distillers' grains, ground barley, dried brewers' grains, malt sprouts, ground oats, corn meal, hominy feed, corn gluten feed, wheat bran, wheat middlings, molasses, steamed bone meal, calcium carbonate, iodized salt.
	F.	23.29	3.98	9.91	8.10	8.46	46.26	
Dailey's Range Growing Mash	G.	17.00	4.00	7.00	....	....	....	Dried whey solubles, dried milk by-product, vitamin A and D feeding oil, meat scraps, fish meal, alfalfa leaf meal, corn gluten meal, linseed oil meal, soybean oil meal, wheat bran, wheat flour middlings, wheat red dog, ground whole oats, ground barley, corn meal, calcium carbonate, 0.0125% manganese sulphate, salt.
	F.	18.52	3.75	6.58	10.68	6.86	53.61	
Dailey's Starter and Broiler Mash	G.	20.00	4.00	7.00	....	....	....	Dried whey solubles, dried milk by-product, vitamin A and D feeding oil, meat scraps, fish meal, linseed oil meal, alfalfa leaf meal, gluten meal, soybean oil meal, ground whole oats, ground barley, wheat bran, wheat middlings, wheat red dog, corn meal, steamed bone meal, calcium carbonate, 0.025% manganese sulphate, salt.
	F.	20.88	4.93	7.00	10.15	6.41	50.63	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Dailey's Super All Mash Layer	G.	15.00	4.00	8.00	....	....	....	Dried whey, dried skimmed milk (feeding), flavin concentrate, cod liver oil, fish meal, meat scraps, linseed oil meal, ground barley, pulverized oats, corn meal, wheat bran, wheat flour middlings, alfalfa leaf meal, soybean oil meal, steamed bone meal, 0.0075% manganese sulphate, ½% salt, calcite.
	F.	16.72	4.42	5.24	11.15	5.03	57.44	
Dailey's Super 20% Dairy Ration	G.	20.00	4.00	8.00	....	....	....	Beet pulp, corn meal, hominy, ground barley, crimped oats, soybean oil meal, old process linseed oil meal, corn gluten meal, corn germ oil meal, corn gluten feed, wheat bran, wheat middlings, iodized salt, calcium carbonate, steamed bone meal, cottonseed meal, molasses, alfalfa meal.
	F.	20.14	3.93	8.34	9.63	6.95	51.01	
Dailey's Super Laying Mash	G.	20.00	4.00	7.00	....	....	....	Dried whey solubles, dried milk by-product, vitamin A and D feeding oil, fish meal, meat scraps, alfalfa leaf meal, wheat bran, wheat flour middlings, ground whole oats, corn meal, linseed oil meal, ground barley, soybean oil meal, steamed bone meal, calcium carbonate, salt, 0.025% manganese sulphate.
	F.	20.09	4.10	5.09	10.11	11.36	49.25	
Dairymens League Cooperative Association, New York, N. Y.								
Dairylea Dried Skim Milk	G.	33.00	0.50	....	....	....	....	
	F.	33.53	0.78	....	4.89	8.32	....	
Delaware Mills, Deposit, N. Y.								
Delaware All Mash Chick Starter	G.	17.00	4.00	6.00	....	....	....	Cod liver oil, dried skimmed milk, meat scraps, fish meal, oat meal, dehydrated alfalfa leaf meal, corn meal, wheat bran, wheat middlings, wheat red dog, bone meal, corn gluten meal, calcium carbonate, charcoal, salt, potassium iodide, manganese, flavin concentrate.
	F.	18.60	4.57	4.84	10.01	7.08	54.90	
Delaware Breeder Mash	G.	20.00	4.00	7.50	....	....	....	Vitamin A and D fish oil, wheat germ oil, dried skim milk, dried whey, dehydrated alfalfa leaf meal, meat scraps, fish meal, soybean oil meal, corn meal, wheat bran, wheat middlings, wheat red dog, oat meal, pulverized heavy oats, ground barley, calcium carbonate, ½% salt, potassium iodide, manganese, flavin concentrate.
	F.	19.59	4.82	6.10	9.81	11.14	48.54	
Delaware Broiler Mash	G.	20.00	4.00	6.50	....	....	....	Vitamin A and D fish oil, dried whey, meat scraps, bone meal, dehydrated alfalfa leaf meal, fish meal, pulverized heavy oats, corn gluten feed, corn meal, wheat bran, wheat middlings, soybean oil meal, calcium carbonate, charcoal, salt, potassium iodide, manganese, flavin concentrate.
	F.	20.57	3.30	6.46	10.21	6.74	52.72	
Delaware Fitting Ration	G.	14.00	4.00	10.00	....	....	....	Cane molasses, wheat bran, wheat middlings, corn meal, ground oats, linseed oil meal, soybean oil meal, peanut oil meal, calcium carbonate, salt, potassium iodide, irradiated dry yeast.
	F.	15.06	3.92	6.61	12.12	6.42	55.87	
Delaware Full Flow 20% Dairy Feed	G.	20.00	4.50	8.00	....	....	....	Cane molasses, linseed oil meal, corn gluten feed, corn gluten meal, cottonseed meal, soybean oil meal, corn distillers' grains, wheat bran, wheat middlings, corn meal or hominy feed, ground oats, ground barley, calcium carbonate, potassium iodide, salt.
	F.	22.85	3.67	7.08	10.20	7.24	48.96	

Delaware Grow Mash	G.	16.50	4.00	9.00	....	....	....	Vitamin A and D fish oil, dried whey, meat scrap, bone meal, soybean oil meal, yellow corn meal, ground oats, ground barley, dehydrated alfalfa meal, corn gluten feed, wheat bran, wheat middlings, linseed oil meal, calcium carbonate, salt, potassium iodide, manganese.
	F.	18.74	3.53	6.54	10.49	7.32	53.38	
Delaware 18% Growing Mash	G.	18.00	4.00	6.50	....	....	....	Vitamin A and D fish oil, dried skim milk, dried whey, dehydrated alfalfa leaf meal, meat scraps, fish meal, bone meal, soybean oil meal, corn gluten feed, pulverized heavy oats, yellow corn meal, wheat bran, wheat middlings, wheat flour middlings, ground barley, calcium carbonate, ½% salt, potassium iodide, manganese, flavin concentrate.
	F.	19.57	3.73	6.12	10.14	9.16	51.28	
Delaware 85% Horse Feed ..	G.	9.00	3.00	9.00	....	....	....	Cracked corn, crimped oats, linseed oil meal, alfalfa meal, molasses, salt.
	F.	10.55	3.29	6.92	11.97	3.83	63.44	
Delaware 21% Laying Mash .	G.	21.00	4.00	7.00	....	....	....	Vitamin A and D fish oil, dried whey, dried skimmed milk, meat scraps, bone meal, fish meal, soybean oil meal, corn gluten feed, yellow corn meal, wheat bran, wheat middlings, wheat red dog, pulverized heavy oats, ground barley, dehydrated alfalfa leaf meal, calcium carbonate, ½% salt, potassium iodide, manganese, flavin concentrate.
	F.	21.23	3.39	6.03	9.65	9.67	50.03	
Delaware Pig and Hog Feed .	G.	16.00	4.00	8.00	....	....	....	Wheat middlings, wheat bran, corn meal or hominy feed, meat scraps, fish meal, choice alfalfa meal, peanut oil meal, soybean oil meal, linseed oil meal, calcium carbonate, salt, potassium iodide, irradiated dry yeast.
	F.	17.69	4.34	4.67	10.96	6.15	56.19	
Delaware Starter - Grower - Layer	G.	16.00	4.00	6.00	....	....	....	Vitamin A and D fish oil, dried whey, meat scraps, fish meal, bone meal, corn meal, wheat bran, wheat middlings, wheat red dog, dehydrated alfalfa leaf meal, pulverized heavy oats, soybean oil meal, calcium carbonate, salt, potassium iodide, manganese, flavin concentrate.
	F.	17.86	4.26	6.10	10.03	7.48	54.27	
Delaware Sweet 20% Dairy Feed	G.	20.00	4.50	10.00	....	....	....	Cane molasses, linseed oil meal, corn gluten feed, corn gluten meal, cottonseed meal, soybean oil meal, corn distillers' grains, peanut oil meal, babassu oil meal, wheat bran, wheat middlings, hominy feed, ground oats, ground barley, calcium carbonate, salt, potassium iodide.
	F.	21.06	3.96	7.06	8.69	6.49	52.74	
Indian Sweet 16 Dairy Feed .	G.	16.00	3.50	14.00	....	....	....	Cane molasses, wheat bran, wheat middlings, soybean oil meal, corn gluten feed, babassu oil meal, brewers' dried grains, alfalfa meal, ground grain screenings, reground oat feed, peanut oil meal, corn meal, phosphatic calcium carbonate, salt.
	F.	19.96	3.67	11.26	9.31	8.45	47.35	
Indian Sweet 20% Dairy Feed	G.	20.00	3.50	11.00	....	....	....	Cane molasses, linseed oil meal, corn gluten feed, soybean oil meal, peanut oil meal, babassu oil meal, wheat bran, wheat middlings, corn meal, reground oat feed, corn distillers' grains, calcium carbonate, salt, potassium iodide.
	F.	22.81	3.53	9.46	9.81	7.73	46.66	
Denver Alfalfa Milling and Products Co., Lamar, Colorado.								
Cut Alfalfa Meal	G.	13.00	1.00	33.00	....	....	....	Made from alfalfa.
	F.	13.40	1.61	31.76	8.35	8.41	36.47	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Dietrich & Gambrill, Frederick, Md.								
Big 4 Feed	G.	12.00	2.50	18.00	....	....	....	Alfalfa meal, wheat bran, dried brewers' grains, dried beet pulp, molasses, 1% salt, 1% bone meal, 2% calcium carbonate, 0.0002% potassium iodide.
	F.	16.90	3.58	13.72	8.27	7.64	49.89	
D & G All Purpose Complete Ration	G.	15.00	4.00	7.00	....	....	....	Ground corn, pulverized oats, wheat flour middlings, wheat bran, dehydrated alfalfa meal, dried milk by-product, dried whey solubles, riboflavin supplement, meat scraps, fish meal, soybean oil meal, steamed bone meal, 1% calcium carbonate, 1% salt, vitamin A and D feeding oil, 0.0002% potassium iodide, 0.012% manganese sulphate.
	F.	17.95	4.77	6.79	9.58	7.10	53.81	
D & G Growing and Fitting Ration	G.	13.00	4.00	10.00	....	....	....	Wheat bran, ground oats, ground barley, yellow corn meal, linseed oil meal, soybean oil meal, fish meal, molasses, bone meal, 1% calcium carbonate, 1% salt, 0.0002% potassium iodide, irradiated yeast.
	F.	15.24	3.87	5.56	10.38	7.18	57.77	
D & G Gambrill's Laying Mash	G.	20.00	4.00	8.00	....	....	....	Wheat bran, wheat middlings, corn feed meal, linseed oil meal, soybean oil meal, pulverized oats, dehydrated alfalfa meal, corn gluten meal, meat scraps, fish meal, dried milk by-product, dried whey solubles, riboflavin supplement, bone meal, 2% calcium carbonate, 1% salt, vitamin A and D feeding oil, 0.012% manganese sulphate, 0.0002% potassium iodide.
	F.	22.07	4.38	6.47	9.56	8.33	49.19	
D & G Pig and Hog Meal	G.	18.00	4.00	8.00	....	....	....	Wheat middlings, corn feed meal, digester tankage, fish meal, soybean oil meal, linseed oil meal, peanut oil meal, ground barley, molasses, bone meal, 1% calcium carbonate, 1% salt, 0.0002% potassium iodide, rye middlings, irradiated yeast, alfalfa meal.
	F.	20.97	4.22	6.60	10.10	7.78	50.33	
D & G Wheat Mixed Feed	G.	15.00	3.50	7.50	....	....	....	Wheat mixed feed.
	F.	17.03	4.59	7.24	10.21	4.97	55.96	
Frederick 20% Dairy Feed	G.	20.00	4.00	12.00	....	....	....	Cottonseed meal, soybean oil meal, dried brewers' grains, corn gluten feed, corn feed meal, wheat bran, 20% ground grain screenings from wheat, oat mill feed (oat middlings, oat shorts, oat hulls), molasses, 1% bone meal, 1% calcium carbonate, 1% salt, 0.0002% potassium iodide.
	F.	24.25	4.11	9.36	8.33	7.47	46.48	
Gambrill's Horse Feed	G.	10.00	3.50	12.00	....	....	....	Crushed oats, cracked corn, alfalfa meal, molasses, 1% salt.
	F.	10.46	3.59	6.66	10.66	2.78	65.85	
Pen Mar 16% Dairy Feed	G.	16.00	4.00	10.00	....	....	....	Corn gluten feed, cottonseed meal, soybean oil meal, linseed oil meal, dried brewers' grains, corn distillers' grains, wheat bran, wheat middlings, corn feed meal, ground oats, molasses, 1% calcium carbonate, 1% salt, 0.0002% potassium iodide, 1% bone meal.
	F.	16.50	4.33	6.76	9.71	5.90	56.80	
Pen Mar 20% Dairy Feed	G.	20.00	4.00	10.00	....	....	....	Corn gluten feed, cottonseed meal, linseed oil meal, soybean oil meal, dried brewers' grains, ground oats, corn feed meal, wheat bran, wheat middlings, molasses, 1% calcium carbonate, 1% bone meal, 1% salt, 0.0002% potassium iodide, corn distillers' dried grains.
	F.	21.71	4.45	8.19	9.32	6.32	50.01	

Dodge Grain Co., Methuen, Mass.								
Dodge Laying Mash with Cod Liver Oil	G.	17.00	4.00	10.00	....	....	....	Coarse corn meal, wheat bran, wheat middlings, ground oats, 50% meat scraps, 50% fish meal, dried skimmed milk, salt, alfalfa leaf meal, ground oyster shell, soybean meal, cod liver oil, vitadine (vitamin and mineral concentrate), molasses, wheat germ oil.
	F.	17.02	3.69	8.66	10.15	7.32	53.16	
Dodge Laying Mash with Cod Liver Oil (Pellets)	G.	17.00	4.00	10.00	....	....	....	Coarse corn meal, wheat bran, wheat middlings, ground oats, 50% meat scraps, 50% fish meal, dried skimmed milk, salt, alfalfa leaf meal, ground oyster shell, soybean meal, cod liver oil, vitadine (vitamin and mineral concentrate), molasses, wheat germ oil.
	F.	17.77	4.03	9.17	9.58	8.57	50.88	
Dodge Starting Growing Mash	G.	16.00	4.00	10.00	....	....	....	Coarse corn meal, wheat bran, wheat middlings, ground oats, 50% meat scraps, 50% fish meal, dried skimmed milk, salt, alfalfa leaf meal, ground oyster shell, cod liver oil, vitadine (vitamin and mineral concentrate), wheat germ oil.
	F.	16.50	3.91	9.11	9.99	8.30	52.19	
Eagle Roller Mill Co., New Ulm, Minn.								
Eagle Wheat Bran	G.	14.00	4.00	12.00	....	....	....	Wheat bran with ground wheat screenings not exceeding mill run.
	F.	16.68	4.61	10.82	9.77	6.48	51.64	
Eastern States Farmers' Exchange, Springfield, Mass.								
Eastern States All Mash Breeder	G.	15.50	4.00	5.50	....	....	....	735 lbs. E. S. yellow corn meal, 540 lbs. wheat standard middlings, 78.75 lbs. E. S. ground oats, 70 lbs. oyster shell meal, 60 lbs. wheat bran, 60 lbs. 50% protein meat scraps, 60 lbs. alfalfa leaf meal, 60 lbs. 58% protein fish meal, 60 lbs. E. S. ground barley, 60 lbs. riboflavin supplement, 60 lbs. cane molasses, 45 lbs. 44% protein soybean oil meal, 40 lbs. distillers' dried solubles, 30 lbs. corn gluten meal, 15 lbs. dicalcium phosphate, 10 lbs. wheat germ middlings, 10 lbs. iodized salt, 6 lbs. fortified sardine oil, 0.25 lb. manganese sulphate.
	F.	17.77	4.62	5.12	10.10	9.88	52.51	
Eastern States All Mash Developer	G.	15.00	3.00	6.00	....	....	....	Alfalfa leaf meal, E. S. ground barley, E. S. yellow corn meal, corn gluten meal, distillers' dried solubles, 58% protein fish meal, 50% protein meat scraps, E. S. ground oats, 44% protein soybean oil meal, wheat bran, wheat germ middlings, ground wheat, wheat standard middlings, dried whey, calcium carbonate, dicalcium phosphate, iodized salt, manganese sulphate, fortified sardine oil, D-activated animal sterol (vitamin D).
	F.	13.99	3.74	4.13	11.12	5.91	61.11	
Eastern States All Mash Egg	G.	15.50	3.00	5.50	....	....	....	Alfalfa leaf meal, E. S. ground barley, E. S. yellow corn meal, corn gluten meal, distillers' dried solubles, 58% protein fish meal, 50% protein meat scraps, E. S. ground oats, 44% protein soybean oil meal, wheat bran, ground wheat, wheat standard middlings, calcium carbonate, dicalcium phosphate, iodized salt, manganese sulphate, fortified sardine oil, D-activated animal sterol (vitamin D).
	F.	17.82	3.89	4.59	10.22	8.58	54.90	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Eastern States Breeder Mash .	G.	20.00	3.50	6.00	....	....	....	Alfalfa leaf meal, E. S. ground barley, E. S. yellow corn meal, corn gluten meal, distillers' dried solubles, 58% protein fish meal, 50% protein meat scraps, corn molasses, E. S. ground oats, riboflavin supplement, 44% protein soybean oil meal, wheat bran, wheat germ middlings, wheat standard middlings, calcium carbonate, dicalcium phosphate, iodized salt, manganese sulphate, fortified sardine oil, D-activated animal sterol (vitamin D).
	F.	22.24	4.96	5.46	8.84	11.42	47.08	
Eastern States Calf Starter ..	G.	23.00	3.50	4.50	....	....	....	Alfalfa leaf meal, blood flour, E. S. yellow corn meal, 34% protein old process linseed meal, rolled oats, dried skimmed milk, 41% protein soybean oil meal, wheat bran, irradiated yeast brewers' type, calcium carbonate, dicalcium phosphate, iodized salt.
	F.	25.00	4.41	4.46	8.75	7.32	50.06	
Eastern States Developer	G.	18.50	3.00	6.50	....	....	....	Alfalfa leaf meal, E. S. ground barley, E. S. yellow corn meal, corn gluten meal, distillers' dried solubles, 58% protein fish meal, 50% protein meat scraps, E. S. ground oats, 44% protein soybean oil meal, wheat bran, wheat germ middlings, dried whey, oyster shell meal, dicalcium phosphate, iodized salt, manganese sulphate, fortified sardine oil, D-activated animal sterol (vitamin D).
	F.	18.21	3.98	4.73	9.45	9.35	54.28	
Eastern States Dog Feed	G.	24.00	4.50	3.50	....	....	....	700 lbs. Toasted yellow corn flakes, 370 lbs. 50% protein meat scraps, 260 lbs. toasted wheat flakes, 129 lbs. 44% protein soybean oil meal, 110 lbs. 58% protein fish meal, 100 lbs. rolled oats, 80 lbs. dried skimmed milk, 60 lbs. alfalfa leaf meal, 60 lbs. dried apple pomace, 40 lbs. wheat bran, 20 lbs. cheese meal, 20 lbs. brewers' type yeast, 20 lbs. wheat germ middlings, 15 lbs. iodized salt, 10 lbs. dicalcium phosphate, 5 lbs. fortified sardine oil, 1 lb. irradiated yeast brewers' type.
	F.	24.95	4.70	4.22	7.21	8.45	50.47	
Eastern States Egg Mash	G.	20.00	3.50	6.50	....	....	....	Alfalfa leaf meal, E. S. ground barley, E. S. yellow corn meal, corn gluten meal, distillers' dried solubles, 58% protein fish meal, 50% protein meat scraps, E. S. ground oats, 44% protein soybean oil meal, wheat bran, wheat standard middlings, oyster shell meal, dicalcium phosphate, iodized salt, manganese sulphate, fortified sardine oil, D-activated animal sterol (vitamin D).
	F.	20.01	4.18	5.53	9.30	10.46	50.52	
Eastern States Finishing	G.	15.00	3.00	5.50	....	....	....	Alfalfa leaf meal, E. S. yellow corn meal, corn gluten meal, distillers' dried solubles, corn molasses, E. S. ground oats, 44% protein soybean oil meal, ground wheat, wheat standard middlings, dried whey, feeding yeast, steamed bone meal, calcium carbonate, iodized salt, manganese sulphate, D-activated animal sterol (vitamin D).
	F.	15.94	3.93	5.29	10.76	6.16	57.92	
Eastern States Fitting Ration	G.	14.00	3.00	9.00	....	....	....	Alfalfa meal, E. S. ground barley, E. S. yellow corn meal, 34% protein old process linseed meal, corn molasses, E. S. ground oats, 41% protein soybean oil meal, wheat bran, wheat germ middlings, ground wheat, irradiated yeast brewers' type, calcium carbonate, dicalcium phosphate, iodized salt.
	F.	14.97	3.77	7.26	10.76	6.16	57.08	

Eastern States **Flushing**	G.	18.50	2.50	3.50	....	....	....	E. S. yellow corn meal, corn gluten meal, distillers' dried solubles, 58% protein fish meal, 50% protein meat scraps, corn molasses, 44% protein soybean oil meal, wheat bran, wheat standard middlings, dried whey, feeding yeast, calcium carbonate, iodized salt, fortified sardine oil, D-activated animal sterol (vitamin D).
	F.	26.62	3.50	4.44	8.01	9.79	47.64	
Eastern States **Fulpail**	G.	20.00	4.00	8.50	....	....	....	E. S. ground barley, brewers' dried grains, E. S. yellow corn feed meal, corn gluten feed, 41% protein cottonseed meal prime quality, corn distillers' dried grains, 34% protein old process linseed meal, corn molasses, E. S. ground oats, 41% protein soybean oil meal, wheat bran, wheat germ middlings, ground wheat, calcium carbonate, dicalcium phosphate, iodized salt.
	F.	22.28	5.10	7.24	9.92	6.35	49.11	
Eastern States **Hog Meal**	G.	15.00	3.00	6.00	....	....	....	Alfalfa meal, E. S. ground barley, E. S. yellow corn meal, 34% protein linseed meal, 50% protein meat scraps, 44% protein soybean oil meal, wheat standard middlings, irradiated yeast brewers' type, calcium carbonate, dicalcium phosphate, iodized salt, manganese sulphate.
	F.	16.11	3.65	5.18	11.11	6.43	57.52	
Eastern States **Horse Feed** ..	G.	10.50	3.50	7.00	....	....	....	780 lbs. E. S. crimped oats, 780 lbs. E. S. yellow cracked corn, coarse; 200 lbs. wheat bran, 100 lbs. cane molasses, 100 lbs. 34% protein linseed cake, pea size; 20 lbs. dicalcium phosphate, 20 lbs. iodized salt.
	F.	11.77	3.77	6.59	11.21	4.37	62.29	
Eastern States **Sixteen**	G.	16.00	4.00	8.00	....	....	....	E. S. ground barley, brewers' dried grains, 20% protein cocoanut oil meal, E. S. yellow corn feed meal, corn gluten feed, corn distillers' dried grains, 34% protein old process linseed meal, corn molasses, E. S. ground oats, 41% protein soybean oil meal, wheat bran, wheat germ middlings, ground wheat, calcium carbonate, dicalcium phosphate, iodized salt.
	F.	18.82	5.08	7.57	8.75	6.08	53.70	
Eastern States **Starting and** Broiler	G.	18.50	4.00	6.00	....	....	....	550 lbs. E. S. yellow corn meal, 522.25 lbs. wheat standard middlings, 200 lbs. pulverized oats, 130 lbs. 50% protein meat scraps, 100 lbs. alfalfa leaf meal, 90 lbs. 44% protein soybean oil meal, 80 lbs. 58% protein fish meal, 60 lbs. wheat bran, 60 lbs. cane molasses, 60 lbs. corn gluten meal, 60 lbs. dried whey, 40 lbs. distillers' dried solubles, 20 lbs. oyster shell meal, 10 lbs. wheat germ middlings, 10 lbs. dicalcium phosphate, 5 lbs. iodized salt, 2.5 lbs. fortified sardine oil, 0.25 lb. manganese sulphate.
	F.	21.23	4.02	5.01	8.89	6.37	54.48	
Eastern States **Turkey Grower** Pellets	G.	20.00	3.50	6.00	....	....	....	580 lbs. E. S. yellow corn meal, 363.75 lbs. wheat standard middlings, 220 lbs. E. S. ground oats, 200 lbs. 44% protein soybean oil meal, 150 lbs. corn gluten meal, 150 lbs. 50% protein meat scraps, 100 lbs. alfalfa leaf meal, 60 lbs. distillers' dried solubles, 60 lbs. wheat bran, 60 lbs. cane molasses, 25 lbs. oyster shell meal, 20 lbs. riboflavin supplement, 10 lbs. iodized salt, 1 lb. D-activated animal sterol (vitamin D), 0.25 lb. manganese sulphate.
	F.	21.19	4.62	5.46	9.74	7.13	51.86	
Elmore Milling Co., Oneonta, N. Y.								
Elmore Battery **Growing Mash**	G.	15.00	4.00	6.00	....	....	....	Alfalfa leaf meal, corn meal, wheat bran, wheat middlings, pulverized heavy oats and barley, meat and bone meal, fish meal, gluten meal, dried skimmed milk, soybean oil meal, cod liver oil, flavin concentrate, cod liver meal, dehydrated cereal grasses, manganese sulphate, oyster shell flour, salt.
	F.	17.51	4.00	5.81	10.35	7.30	55.03	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Elmore **Chixsaver**	G.	18.00	4.00	7.00	....	....	....	Dried skimmed milk, dried buttermilk, wheat flour middlings, wheat bran, corn meal, dehydrated alfalfa leaf meal, meat and bone meal, pulverized heavy oats, fish meal, corn gluten meal, soybean oil meal, cod liver oil, cod liver meal, flavin concentrate, dehydrated cereal grasses, manganese sulphate, oyster shell flour, fine table salt.
	F.	20.44	3.92	5.11	10.12	6.85	53.56	
Elmore Complete Market Egg Mash	G.	15.00	4.00	8.00	....	....	....	Corn meal, wheat bran, standard wheat middlings, ground heavy oats, ground barley, dehydrated alfalfa leaf meal, meat scraps, fish meal, dried skimmed milk, soybean oil meal, corn gluten meal, manganese sulphate, oyster shell flour, cod liver oil, salt.
	F.	19.48	3.86	5.81	10.19	7.72	52.94	
Elmore Granger 20% Dairy Ration	G.	20.00	4.00	11.00	....	....	....	Wheat bran, dried brewers' grains, ground barley, barley malt sprouts, gluten feed, linseed oil meal, cane molasses, ground heavy oats, soybean oil meal, calcium carbonate, salt.
	F.	25.92	3.71	9.49	10.03	6.00	44.85	
Elmore Growing Mash	G.	17.00	4.00	8.00	....	....	....	Dried buttermilk, meat meal, fish meal, dehydrated alfalfa leaf meal, bone meal, corn meal, pulverized oats, wheat middlings, cod liver oil, wheat bran, soybean oil meal, corn gluten meal, ground barley, flavin concentrate, manganese sulphate, dehydrated cereal grasses, oyster shell flour, salt.
	F.	19.13	4.00	5.90	9.96	8.12	52.89	
Elmore Milk Grains Twenty .	G.	20.00	5.50	10.00	....	....	....	Wheat bran, dried brewers' grains, barley malt sprouts, cottonseed meal, soybean oil meal, hominy feed, cane molasses, corn distillers' grains, gluten feed, linseed oil meal, ground heavy oats, calcium carbonate, salt.
	F.	23.38	5.69	8.59	8.81	5.01	48.52	
Elmore Stock Feed	G.	10.00	3.00	12.00	....	....	....	Corn meal or hominy feed, ground oats, oat meal by-products (oat middlings, oat hulls, oat shorts), salt.
	F.	9.50	4.73	10.72	9.72	3.68	51.65	
Elmore Sweet Digesto Dairy Feed	G.	16.00	2.00	12.00	....	....	....	Corn gluten feed, cottonseed meal, wheat bran, pulverized wheat screenings, oat meal mill by-products (oat hulls, oat middlings, oat shorts), cane molasses, calcium carbonate, salt.
	F.	20.62	3.53	10.79	8.46	6.08	50.52	
E-M-C-O Horse Feed	G.	9.00	2.50	11.00	....	....	....	Cracked corn, heavy whole oats, wheat bran, cane molasses, salt.
	F.	11.16	3.63	6.35	11.65	3.29	63.92	
Waldorf 20% Dairy Ration ..	G.	20.00	3.00	11.00	....	....	....	Wheat bran, corn gluten feed, corn gluten meal, soybean oil meal, cane molasses, ground oats, pulverized wheat screenings, dried brewers' grains, calcium carbonate, salt.
	F.	22.59	3.90	11.82	8.44	6.42	46.83	
John W. Eshelman & Sons, Lancaster, Pa.								
Conestoga 20 Dairy Feed	G.	20.00	4.00	11.00	....	....	....	Cotton seed meal, wheat bran, cane molasses, corn gluten feed, brewers' dried grains, corn distillers' dried grains, old process soybean oil meal, old process linseed oil meal, reground refuse screenings, 1% bone meal, 1% calcium carbonate, 1% salt.
	F.	23.73	4.97	9.28	9.74	7.04	45.24	

Eshelman S-O-S	G.	11.00	2.00	15.00	....	....	....	Wheat bran, alfalfa meal, brewers' dried grains, cane molasses, dried beet pulp, dried citrus pulp, 1% bone meal, 1% calcium carbonate, 1% salt.
	F.	13.92	2.76	15.63	10.19	8.25	49.25	
Pennsy 16 Dairy Feed	G.	16.00	3.00	11.00	....	....	....	Wheat bran, cotton seed meal, cane molasses, corn gluten feed, brewers' dried grains, old process linseed oil meal, old process soybean oil meal, reground refuse screenings, oat mill feed (oat middlings, oat hulls, oat shorts), 1% bone meal, 1% calcium carbonate, 1% salt.
	F.	19.52	6.10	10.91	9.80	8.27	45.40	
Pennsy Laying Mash	G.	18.00	4.00	8.00	....	....	....	Corn meal, wheat middlings, meat scraps, wheat bran, ground oats, dehydrated alfalfa meal, old process soybean oil meal, corn gluten feed, old process linseed oil meal, fortified vitamin A and D feeding oil, 2½% calcium carbonate, 1/80% manganese sulphate, ½% salt.
	F.	18.91	4.13	6.96	10.56	6.94	52.50	
Red Rose All Mash Starter ..	G.	16.00	4.00	6.50	....	....	....	Corn meal, wheat bran, wheat middlings, oat meal, meat scraps, fish meal, old process soybean oil meal, alfalfa leaf meal, old process linseed oil meal, dried milk by-product, dried whey solubles, fortified vitamin A and D feeding oil, 2¼% calcium carbonate, 1/80% manganese sulphate, ½% salt.
	F.	18.34	4.37	4.98	9.40	7.22	55.69	
Red Rose Breeder Mash	G.	20.00	4.00	6.50	....	....	....	Corn meal, wheat middlings, wheat bran, ground oats, meat scraps, alfalfa leaf meal, old process soybean oil meal, dried milk by-product, dried whey solubles, 2½% calcium carbonate, 1/80% manganese sulphate, ½% fortified vitamin A and D feeding oil with 1% wheat germ oil, ½% salt.
	F.	21.62	4.57	5.15	8.81	9.03	50.82	
Red Rose Broiler Ration	G.	18.50	4.00	7.50	....	....	....	Corn meal, wheat bran, wheat middlings, corn gluten meal, ground oats, meat scraps, old process soybean oil meal, dehydrated alfalfa meal, dried milk by-product, dried whey solubles, fortified vitamin A and D feeding oil, 2% calcium carbonate, 1/80% manganese sulphate, ½% salt.
	F.	20.27	4.00	5.75	10.25	7.32	52.41	
Red Rose 16 Dairy Feed	G.	16.00	4.50	11.00	....	....	....	Wheat bran, brewers' dried grains, corn distillers' dried grains, crushed oats, cottonseed meal, corn meal, cane molasses, old process linseed oil meal, corn gluten feed, old process soybean oil meal, 1% bone meal, 1% calcium carbonate, 1% salt.
	F.	21.63	5.19	8.25	9.44	5.73	49.76	
Red Rose 20 Dairy Feed	G.	20.00	4.00	11.00	....	....	....	Wheat bran, cottonseed meal, crushed oats, corn gluten feed, cane molasses, brewers' dried grains, corn distillers dried grains, corn meal, old process linseed oil meal, old process soybean oil meal, 1% bone meal, 1% calcium carbonate, 1% salt.
	F.	23.64	4.94	8.03	10.05	6.03	47.31	
Red Rose Fattening Mash	G.	14.00	4.00	5.50	....	....	....	Corn meal, hominy feed, ground oats, corn oil meal, wheat red dog, rolled oats, old process soybean oil meal, meat scraps, old process linseed oil meal, dried milk by-product, dried whey solubles, 2% calcium carbonate, 1/80% manganese sulphate, ½% salt.
	F.	17.60	4.80	4.24	9.98	6.01	57.37	
Red Rose Fitting Ration	G.	12.00	4.00	7.00	....	....	....	Wheat bran, crushed oats, corn meal, hominy feed, old process linseed oil meal, old process soybean oil meal, cane molasses, 1/40% irradiated yeast, 1% bone meal, 1% calcium carbonate, 1% salt.
	F.	15.19	4.91	6.03	10.96	5.27	57.64	
Red Rose Flushing and Conditioning Mash	G.	16.50	2.50	6.50	....	....	....	Corn meal, wheat bran, wheat middlings, dehydrated alfalfa meal, old process soybean oil meal, dried skimmed milk, dried whey solubles, ¼% fortified vitamin A and D feeding oil.
	F.	16.50	3.24	3.77	8.83	5.12	62.54	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Red Rose Growing Mash	G.	16.00	4.00	7.50	....	....	....	Wheat middlings, corn meal, wheat bran, meat scraps, ground oats, corn gluten feed, oat meal, old process soybean oil meal, hominy feed, old process linseed oil meal, fish meal, dried milk by-product, dried whey solubles, dehydrated alfalfa meal, fortified vitamin A and D feeding oil, 2% calcium carbonate, 1/80% manganese sulphate, ½% salt.
	F.	19.92	4.99	6.76	8.82	8.86	50.65	
Red Rose 85 Horse Feed	G.	9.00	3.00	10.00	....	....	....	Cracked corn, crushed oats, cane molasses, old process linseed oil meal, alfalfa meal, ½% salt.
	F.	10.85	3.99	5.68	11.37	2.46	65.65	
Red Rose Laying Mash	G.	20.00	4.00	7.50	....	....	....	Wheat middlings, corn meal, meat scraps, wheat bran, corn gluten feed, ground oats, old process linseed oil meal, old process soybean oil meal, hominy feed, dehydrated alfalfa meal, dried milk by-product, dried whey sollubles, fortified vitamin A and D feeding oil, 2% calcium carbonate, 1/80% manganese sulphate, ½% salt.
	F.	21.71	4.46	5.92	9.58	8.69	49.64	
Red Rose Pig and Hog Meal .	G.	18.00	3.50	10.00	....	....	....	Wheat middlings, corn feed meal, digester tankage, old process soybean oil meal, wheat bran, old process linseed oil meal, reground grain screenings from wheat, 1/80% irradiated yeast, 2% bone meal, 2% charcoal, 1% calcium carbonate, 1% salt.
	F.	18.74	3.97	6.67	10.98	7.00	52.64	
Excelsior Milling Co., Minneapolis, Minn.								
Camel Wheat Mixed Feed ...	G.	15.00	4.00	8.50	....	....	....	Wheat red dog, wheat middlings, wheat bran.
	F.	16.68	3.80	7.09	10.81	5.96	55.66	
Federal Mill, Lockport, N. Y.								
Dairy Maid Soft Winter Wheat Mixed Feed	G.	13.00	3.50	9.50	....	....	....	Winter wheat, bran and winter wheat middlings with wheat screenings not exceeding mill run.
	F.	16.16	4.12	7.29	9.44	6.15	56.84	
Dairy Maid Wheat Flour Middlings	G.	13.50	3.50	6.00	....	....	....	With ground wheat screenings not exceeding mill run.
	F.	15.45	4.52	5.14	9.95	4.27	60.67	
Lucky Hard Wheat Bran	G.	15.00	3.50	12.00	....	....	....	
	F.	16.46	4.98	11.77	9.96	7.57	49.26	
Lucky Hard Wheat Standard Middlings	G.	16.00	4.00	9.50	....	....	....	Ground wheat screenings not exceeding mill run.
	F.	18.43	4.95	5.82	10.83	3.91	56.06	
Lucky Wheat Red Dog	G.	15.00	2.50	4.00	....	....	....	
	F.	19.09	5.12	3.01	10.62	3.74	58.42	
General Mills, Fitchburg, Mass.								
Farm Service All Mash	G.	16.00	4.00	7.50	....	....	....	Corn meal, wheat bran, wheat middlings, soybean oil meal, ground wheat, pulverized oats, oat groats, fish meal, meat scraps, fine cracked corn, dried milk, dried whey, dehydrated alfalfa leaf meal, shell meal, salt, vitamin A and D feeding oil, manganese dioxide.
	F.	20.14	3.56	6.44	11.64	7.27	50.95	

Farm Service Horse Feed ...	G.	8.00	2.00	9.50	....	....	....	Cracked corn, crushed oats, wheat bran, alfalfa meal, ground barley, molasses, salt.
	F.	10.81	3.69	6.68	12.61	2.79	63.42	
Farm Service Laying Mash ..	G.	20.00	3.50	8.00	....	....	....	Wheat bran, yellow corn meal, wheat standard middlings, ground barley, meat and bone scrap, soybean oil meal, fish meal, alfalfa meal, flavin concentrate, dried skimmed milk, dried whey, ground oats, vitamin A and D feeding oil, 2.8% limestone, ½% salt, 0.01% manganese dioxide.
	F.	21.76	5.54	6.94	8.91	11.32	45.53	
Intermediate Chick Feed	G.	10.00	3.00	3.00	....	....	....	Medium cracked corn, hulled oats, wheat.
	F.	11.07	2.74	1.54	10.94	1.31	72.40	
Larro Egg Mash	G.	20.00	4.00	8.00	....	....	....	Yellow corn meal, wheat standard middlings, wheat bran, soybean oil meal, ground barley, meat and bone scrap, ground oats, alfalfa meal, fish meal, dried milk by-product, riboflavin supplement, 3% limestone, 0.5% salt, vitamin A and D feeding oil, D-activated animal sterol, 0.0125% manganese dioxide.
	F.	20.40	4.92	6.63	8.85	10.86	48.34	
Larro Pig and Hog Builder ..	G.	17.50	4.00	7.50	....	....	....	Wheat bran, yellow corn meal, wheat standard middlings, fish meal, meat and bone scrap, old process linseed oil meal, soybean oil meal, alfalfa meal, dried beet pulp, 1¾% limestone, ¾% salt.
	F.	19.17	4.54	6.48	9.89	7.41	52.51	
N. E. C. Laying Mash	G.	17.00	4.00	8.00	....	....	....	Corn meal, wheat bran, wheat middlings, ground oats, alfalfa meal, soybean oil meal, corn dried distillers' grains with solubles, meat and bone scrap, fish meal, ground limestone, salt, edible bone meal, vitamin A and D feeding oil, manganese dioxide.
	F.	18.47	5.79	6.19	8.89	8.94	51.72	
Service Ration	G.	21.00	3.50	9.00	....	....	....	Corn meal, hominy, cottonseed meal, linseed oil meal, corn gluten feed, wheat bran, wheat middlings, ground oats, soybean oil meal, bone meal, calcium carbonate, salt, with or without molasses.
	F.	22.81	4.54	7.60	8.72	8.56	47.77	
Special Cow Ration	G.	20.00	4.00	12.00	....	....	....	Wheat bran, corn meal, hominy, ground oats, pulverized oats, corn gluten feed, cottonseed meal, linseed oil meal, soybean oil meal, dried brewers' grains, salt, calcium carbonate.
	F.	23.60	4.53	10.99	8.95	6.96	44.97	
Washburn's Gold Medal Fancy Wheat Mixed Feed	G.	15.00	3.50	7.50	....	....	....	Hard wheat bran, mill run cleaned ground wheat screenings and low grade wheat flour.
	F.	17.08	4.86	6.58	10.40	4.94	56.14	
Washburn's Gold Medal Hard Wheat Bran and Wheat Screenings	G.	14.00	3.50	12.00	....	....	....	Hard wheat bran and mill run cleaned ground wheat screenings.
	F.	17.51	4.83	10.57	9.45	6.92	50.72	
D. H. Grandin Milling Co., Jamestown, N. Y.								
Grandin's Breeder Mash	G.	20.00	4.00	8.00	....	....	....	Fortified cod liver oil, D-activated animal sterol (vitamin D), dried buttermilk, dried whey, flavin concentrate, meat scraps, fish meal, soybean oil meal, corn gluten meal, dehydrated alfalfa leaf meal, wheat bran, wheat middlings, ground yellow corn, ground wheat, pulverized oats, ground barley, calcium carbonate, salt, potassium iodide, manganese sulphate.
	F.	20.79	4.04	5.93	9.24	9.85	50.15	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Grandin's Complete Breeder and Layer Ration	G.	15.00	4.00	8.00	....	....	....	Fortified cod liver oil, dried buttermilk, dried whey, flavin concentrate, liver meal, meat scraps, fish meal, soybean oil meal, corn gluten meal, dehydrated alfalfa leaf meal, wheat bran, wheat middlings, ground wheat, ground yellow corn, pulverized oats, ground barley, calcium carbonate, salt, potassium iodide, manganese carbonate.
	F.	16.81	4.88	6.80	8.73	8.57	54.21	
Grandin's Complete Egg Maker Ration	G.	15.00	4.00	8.00	....	....	....	Fortified cod liver oil, dried buttermilk, dried whey, flavin concentrate, meat scraps, fish meal, soybean oil meal, corn gluten feed, dehydrated alfalfa leaf meal, wheat bran, wheat middlings, ground yellow corn, pulverized oats, ground barley, calcium carbonate, salt, potassium iodide, manganese, D-activated animal sterol (vitamin D).
	F.	16.77	3.95	6.31	9.42	7.89	55.66	
Grandin's Complete Grower Ration	G.	14.00	4.00	8.00	....	....	....	D-activated animal sterol (vitamin D), fortified cod liver oil, dried buttermilk, dried whey, flavin concentrate, meat scraps, fish meal, soybean oil meal, corn gluten feed, dehydrated alfalfa leaf meal, wheat bran, wheat middlings, ground yellow corn, pulverized oats, ground barley, calcium carbonate, salt, potassium iodide, manganese.
	F.	16.24	4.25	6.16	8.75	6.94	57.66	
Grandin's Complete Starter and Broiler Ration	G.	18.00	4.00	8.00	....	....	....	Fortified cod liver oil, D-activated animal sterol (vitamin D), dried buttermilk, dried whey, flavin concentrate, meat scraps, fish meal, soybean oil meal, corn gluten meal, dehydrated alfalfa leaf meal, wheat bran, wheat middlings, ground yellow corn, ground wheat, pulverized oats, ground barley, calcium carbonate, salt, potassium iodide, manganese.
	F.	18.78	4.00	6.09	9.59	9.36	52.18	
Grandin's 20 Dairy Feed	G.	20.00	4.00	10.00	....	....	....	Cane molasses, cottonseed meal, soybean oil meal, linseed oil meal, corn gluten feed, corn distillers' dried grains, wheat bran, wheat middlings, yellow corn meal, hominy feed, ground oats, ground barley, steamed bone meal, calcium carbonate, salt, potassium iodide.
	F.	21.89	4.80	7.67	9.49	6.34	49.81	
Grandin's 14 Fitting Ration	G.	14.00	4.00	9.00	....	....	....	Fortified cod liver oil, cane molasses, fish meal, soybean oil meal, linseed oil meal, wheat bran, wheat middlings, yellow corn meal, hominy feed, steamed crimped oats, ground oats, ground barley, steamed bone meal, calcium carbonate, salt, potassium iodide.
	F.	15.24	4.39	7.64	11.30	6.44	54.99	
Grandin's Fleshing Pellets	G.	15.00	4.00	8.00	....	....	....	D-activated animal sterol (vitamin D), fortified cod liver oil, dried buttermilk, dried whey, flavin concentrate, meat scraps, fish meal, soybean oil meal, corn gluten feed, wheat red dog, wheat bran, wheat middlings, ground yellow corn, hominy feed, corn germ meal, pulverized oats, ground barley, calcium carbonate, salt, potassium iodide, manganese.
	F.	16.51	3.76	6.21	9.66	8.30	55.56	
Grandin's Green Feed	G.	10.00	1.00	25.00	....	....	....	Choice medium ground alfalfa, dehydrated alfalfa meal, cane molasses.
	F.	13.27	1.45	23.93	10.14	8.67	42.54	

Grandin's Hi-Pro Pellets	G.	20.00	4.00	8.00	....	....	....	Fortified cod liver oil, D-activated animal sterol (vitamin D), dried buttermilk, dried whey, flavin concentrate, meat scraps, fish meal, soybean oil meal, corn gluten meal, dehydrated alfalfa leaf meal, wheat bran, wheat middlings, ground yellow corn, pulverized oats, ground barley, calcium carbonate, salt, potassium iodide, manganese.
	F.	19.55	5.39	6.49	9.06	10.30	49.21	
Grandin's Horse Feed	G.	9.50	3.50	11.00	....	....	....	Steamed crimped oats, cracked corn, linseed oil meal, alfalfa meal, cane molasses, salt.
	F.	10.28	3.83	6.58	11.68	3.93	63.70	
Grandin's Laying Mash	G.	20.00	4.00	8.00	....	....	....	Fortified cod liver oil, D-activated animal sterol (vitamin D), dried buttermilk, dried whey, flavin concentrate, meat scraps, fish meal, soybean oil meal, corn gluten meal, corn gluten feed, dehydrated alfalfa leaf meal, wheat bran, wheat middlings, ground yellow corn, hominy feed, pulverized oats, ground barley, calcium carbonate, salt, potassium iodide, manganese.
	F.	21.71	3.45	7.03	8.94	12.17	46.70	
Grandin's Market Egg Mash .	G.	20.00	3.50	8.00	....	....	....	Fortified cod liver oil, D-activated animal sterol (vitamin D), dried buttermilk, dried whey, flavin concentrate, meat scraps, fish meal, soybean oil meal, corn gluten feed, dehydrated alfalfa leaf meal, wheat bran, wheat middlings, ground yellow corn, pulverized oats, ground barley, calcium carbonate, salt, potassium iodide, manganese.
	F.	19.88	4.07	6.42	8.79	12.18	48.66	
Grandin's Milk Maker	G.	20.00	4.50	10.00	....	....	....	Dried beet pulp, cottonseed meal, soybean oil meal, linseed oil meal, corn gluten meal, corn gluten feed, corn distillers' dried grains, wheat bran, wheat middlings, yellow corn meal, hominy feed, ground oats, ground barley, steamed bone meal, calcium carbonate, salt, potassium iodide.
	F.	21.10	5.59	9.86	8.09	6.87	48.49	
Grandin's Pig and Hog Ration	G.	18.00	4.00	10.00	....	....	....	Fortified cod liver oil, meat scraps, fish meal, soybean oil meal, linseed oil meal, alfalfa meal, wheat middlings, yellow corn meal, corn feed meal, hominy feed, ground barley, calcium carbonate, salt, potassium iodide.
	F.	19.61	4.07	6.64	10.17	10.73	48.78	
Grandin's Special 20 Dairy Feed	G.	20.00	4.00	10.00	....	....	....	Soybean oil meal, linseed oil meal, corn gluten feed, corn distillers' dried grains, brewers' dried grains, wheat bran, wheat middlings, ground wheat, corn meal or hominy feed, ground oats, ground barley, cane molasses, steamed bone meal, calcium carbonate, salt, potassium iodide.
	F.	22.42	4.77	9.05	8.26	6.46	49.04	
Grandin Start-To-Finish Mash	G.	18.00	4.00	8.00	....	....	....	Fortified cod liver oil, D-activated animal sterol (vitamin D), dried buttermilk, dried whey, flavin concentrate, meat scraps, fish meal, soybean oil meal, corn gluten feed, dehydrated alfalfa leaf meal, wheat bran, wheat middlings, ground wheat, ground yellow corn, hominy feed, pulverized oats, ground barley, calcium carbonate, salt, potassium iodide, manganese.
	F.	18.34	4.00	7.38	8.67	8.94	52.67	
Grandin's Stock Feed	G.	9.00	4.00	12.00	....	....	....	Hominy feed, corn meal, corn feed meal, ground oats, ground barley, oat mill feed (oat hulls, oat shorts, oat middlings), steamed bone meal, calcium carbonate, salt, potassium iodide.
	F.	9.28	5.29	10.93	8.94	6.56	59.00	
Grandin's Turkey Finishing Mash	G.	15.00	4.00	8.00	....	....	....	Fortified cod liver oil, dried buttermilk, dried whey, flavin concentrate, meat scraps, fish meal, soybean oil meal, corn gluten feed, wheat red dog, wheat bran, wheat middlings, ground yellow corn, hominy feed, corn germ meal, pulverized oats, ground barley, calcium carbonate, salt, potassium iodide, manganese, D-activated animal sterol (vitamin D).
	F.	17.25	4.06	6.22	9.56	6.67	56.24	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Grandin's Turkey Grower ...	G.	20.00	4.00	8.00	....	....	....	Fortified cod liver oil, D-activated animal sterol (vitamin D), dried buttermilk, dried whey, flavin concentrate, meat scraps, fish meal, soybean oil meal, corn gluten meal, dehydrated alfalfa leaf meal, wheat bran, wheat middlings, ground yellow corn, pulverized oats, ground barley, calcium carbonate, salt, potassium iodide, manganese.
	F.	21.45	4.32	7.04	8.57	12.75	45.87	
Grandin's Twin Six Dairy Feed	G.	22.00	4.50	10.00	....	....	....	Cane molasses, cottonseed meal, soybean oil meal, linseed oil meal, corn gluten feed, corn distillers' dried grains, alfalfa meal, wheat bran, wheat middlings, yellow corn meal, hominy feed, ground oats, ground barley, steamed bone meal, calcium carbonate, salt, potassium iodide.
	F.	24.01	4.82	9.13	9.04	5.94	47.06	
Money Saver 20 Dairy Feed .	G.	20.00	3.50	12.00	....	....	....	Cane molasses, cottonseed meal, soybean oil meal, linseed oil meal, corn gluten feed, corn distillers' dried grains, brewers' dried grains, wheat bran, wheat middlings, ground wheat screenings, corn feed meal, ground oats, ground barley, steamed bone meal, calcium carbonate, salt, potassium iodide.
	F.	21.75	4.10	11.83	8.42	9.50	44.40	
Money Saver 24 Dairy Feed .	G.	24.00	3.50	12.00	....	....	....	Cane molasses, cottonseed meal, soybean oil meal, linseed oil meal, corn gluten meal, corn gluten feed, corn distillers' dried grains, brewers' dried grains, wheat bran, wheat middlings, ground wheat screenings, corn feed meal, ground oats, ground barley, steamed bone meal, calcium carbonate, salt, potassium iodide.
	F.	25.65	4.32	9.72	8.19	7.77	44.35	
Money Saver Egg Mash	G.	18.00	3.50	8.00	....	....	....	Fortified cod liver oil, D-activated animal sterol (vitamin D), flavin concentrate, meat scraps, soybean oil meal, corn gluten feed, dehydrated alfalfa meal, wheat bran, wheat middlings, yellow corn meal, corn feed meal, pulverized oats, ground barley, calcium carbonate, salt, potassium iodide, manganese.
	F.	21.01	3.71	7.47	8.59	10.74	48.48	
Money Saver Growing Mash .	G.	15.00	4.00	8.00	....	....	....	D-activated animal sterol (vitamin D), fortified cod liver oil, meat scraps, soybean oil meal, corn gluten feed, dehydrated alfalfa meal, wheat bran, wheat middlings, yellow corn meal, corn feed meal, pulverized oats, ground barley, calcium carbonate, salt, potassium iodide, manganese.
	F.	16.72	3.84	6.55	9.58	9.83	53.48	
Great Atlantic & Pacific Tea Co., New York, N. Y.								
Daily Egg Laying Mash Feed	G.	20.00	3.75	7.00	....	....	....	Wheat standard middlings, corn feed meal, soybean oil meal, meat and bone scraps, ground barley, ground oats, wheat bran, alfalfa leaf meal, fish meal, 2¾% calcium carbonate from limestone, dried milk by-product, 1¾% steamed bone meal, riboflavin supplement, ½% iodized salt, vitamin A and D feeding oil, 0.015% manganese sulphate.
	F.	20.01	3.65	4.76	10.93	6.79	53.86	
Daily Milk Dairy Feed 16% .	G.	16.00	3.00	12.00	....	....	....	Cleaned, ground and bolted screenings from wheat, oats, barley and flax, corn gluten feed, ground and bolted clipped oat by-product, cane molasses, soybean oil meal, malt sprouts, brewers' dried grains, wheat bran, wheat standard middlings, 1% calcium carbonate from limestone, 1% iodized salt.
	F.	20.31	4.06	9.34	8.92	8.95	48.42	

Milky Way Dairy Feed 20% .	G.	20.00	2.75	9.00	....	....	....	Wheat standard middlings, corn gluten feed, wheat bran, soybean oil meal, brewers' dried grains, old process linseed oil meal, corn gluten meal, malt sprouts, ground barley, corn feed meal, 1% calcium carbonate from limestone, 1% iodized salt.
	F.	21.62	3.72	7.54	9.52	6.98	50.62	
Milky Way Dairy Feed 24% .	G.	24.00	2.75	9.00	....	....	....	Corn gluten feed, corn gluten meal soybean oil meal, ground barley, wheat standard middlings, brewers' dried grains, old process linseed oil meal, malt sprouts, wheat bran, corn feed meal, 1% calcium carbonate from limestone, 1% iodized salt.
	F.	29.64	3.58	7.00	8.69	7.34	43.75	
E. C. & W. L. Hopkins, Greenfield, N. H.								
Cheshire Mash	G.	18.00	4.00	7.00	....	....	....	Dried milk product, wheat bran, corn meal, corn gluten feed, beef scraps, ground wheat, alfalfa meal, pulverized oats, soybean meal, calcium carbonate, concentrated A and D feeding oil, salt.
	F.	19.57	3.77	5.83	11.01	10.81	49.01	
Granite State Breeder Mash .	G.	20.00	4.00	6.00	....	....	....	Corn meal, ground wheat, wheat middlings, wheat bran, corn gluten meal, meat scraps, vacuum dried fish meal, dried whey, alfalfa leaf meal, ground oats, soybean meal, flavin concentrate, concentrated A and D feeding oil, calcium carbonate, manganese sulphate, salt, D-activated animal sterol.
	F.	20.31	4.50	5.93	11.11	10.35	47.80	
Granite State Calf Meal	G.	19.00	3.50	4.00	....	....	....	Corn meal, rolled oats, wheat bran, old process linseed meal, vacuum dried fish meal, dried skimmed milk, kelp, calcium carbonate, concentrated antirachitic oil, soybean meal, flavin concentrate, bone meal.
	F.	19.96	5.11	3.87	11.34	5.86	53.86	
Granite State Chick Starter ..	G.	20.00	4.00	6.00	....	....	....	Corn meal, wheat bran, wheat middlings, pulverized oats, soybean meal, flavin concentrate, meat scraps, alfalfa leaf meal, vacuum dried fish meal, concentrated A and D feeding oil, calcium carbonate, dried whey, gluten meal, manganese sulphate, salt, D-activated animal sterol.
	F.	18.21	4.08	5.78	11.83	9.04	51.06	
Granite State Complete Mash	G.	15.00	4.00	7.00	....	....	....	Corn meal, ground oats, wheat bran, wheat middlings, alfalfa leaf meal, soybean meal, dried whey, meat scraps, vacuum dried fish meal, flavin concentrate, calcium carbonate, manganese sulphate, concentrated A and D feeding oil, salt, D-activated animal sterol.
	F.	17.43	4.73	5.85	11.38	5.49	55.12	
Granite State 20% Dairy Feed	G.	20.00	4.00	10.00	....	....	....	Corn meal, gluten feed, ground wheat, old process linseed meal, ground oats, brewers' grains, wheat bran, soybean meal, distillers' grains, calcium carbonate, salt.
	F.	22.59	5.75	7.41	10.96	5.89	47.40	
Granite State Egg Mash	G.	19.00	4.00	5.50	....	....	....	Dried milk by-product, ground whole oats, ground whole corn, ground whole wheat, wheat middlings, wheat bran, gluten meal, soybean meal, meat scraps, alfalfa leaf meal, vacuum dried fish meal, calcium carbonate, concentrated A and D feeding oil, D-activated animal sterol, salt.
	F.	19.09	4.72	5.50	11.39	11.14	48.16	
Granite State Fitting Ration .	G.	12.00	4.00	8.00	....	....	....	Wheat bran, wheat middlings, corn meal, hominy, molasses, ground oats, old process linseed meal, soybean meal, calcium carbonate, kelp.
	F.	15.80	3.93	7.89	10.72	9.70	51.96	
Granite State Growing Mash .	G.	19.00	4.00	6.00	....	....	....	Corn meal, wheat bran, wheat middlings, ground wheat, soybean meal, alfalfa leaf meal, ground oats, meat scraps, dried whey, corn distillers' grains with solubles, vacuum dried fish meal, calcium carbonate, manganese sulphate, flavin concentrate, concentrated A and D feeding oil, activated animal sterol, salt.
	F.	18.56	4.14	5.83	11.34	10.95	49.18	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Granite State Hog Ration	G.	18.00	5.00	7.00	....	....	....	Corn meal, meat scraps, ground wheat, standard middlings, vacuum dried fish meal, soybean oil meal, alfalfa meal, calcium carbonate, charcoal, salt.
	F.	20.27	4.47	6.37	10.64	7.74	50.51	
Granite State Stock Feed ...	G.	9.00	5.00	10.00	....	....	....	Fine white hominy, wheat red dog, oat by-products, oat middlings, oat hulls, oat shorts, ½% salt.
	F.	10.24	5.36	8.06	10.40	6.17	59.77	
20% Open Formula Dairy Feed	G.	20.00	4.50	8.00	....	....	....	400 lbs. yellow hominy, 400 lbs. wheat bran, 100 lbs. dried distillers' grains, 250 lbs. corn gluten feed, 100 lbs. brewers' grains, 250 lbs. linseed oil meal, 100 lbs. 41% cottonseed, 200 lbs. soybean meal, 60 lbs. molasses, 100 lbs. ground oats, 20 lbs. calcium carbonate, 20 lbs. salt.
	F.	23.21	5.38	8.00	9.77	7.28	46.36	
Page Dairy	G.	21.00	4.00	9.00	....	....	....	Corn meal or hominy, ground oats, wheat bran, dried corn distillers' grains, corn gluten feed, 41% cottonseed meal, soybean oil meal, molasses, linseed meal, calcium carbonate, salt.
	F.	20.82	5.45	7.93	10.86	6.85	48.09	
Red Tag Open Formula Dairy Feed	G.	20.00	3.50	12.00	....	....	....	100 lbs. distillers' corn dried grains, 400 lbs. oat feed, 300 lbs. yellow hominy feed, 100 lbs. 41% cottonseed, 400 lbs. linseed oil meal, 60 lbs. cane molasses, 400 lbs. corn gluten feed, 100 lbs. soybean oil meal, 100 lbs. wheat bran, 20 lbs. oyster shell meal, 20 lbs. salt.
	F.	22.51	4.82	9.59	9.79	7.65	45.64	
International Milling Co., Minneapolis, Minn.								
Blackhawk Wheat Red Dog ..	G.	16.00	2.00	4.00	....	....	....	Wheat red dog.
	F.	17.12	2.39	1.91	11.98	1.73	64.87	
Ralph P. Johnson & Son, Potter Place, N. H.								
Johnson's Chick Starter	G.	16.00	3.00	10.00	....	....	....	Corn meal, wheat bran, wheat middlings, feeding oat meal, meat scraps, dried skimmed milk, alfalfa meal, fish meal, soybean meal, calcite flour, manganese sulphate, 1% salt, exadol (vitamin A and D oil).
	F.	18.91	4.71	5.58	10.32	9.36	51.12	
Johnson's Complete Laying Mash	G.	15.00	3.00	8.00	....	....	....	Corn meal, ground oats, ground barley, wheat bran, wheat middlings, ground wheat, soybean meal, meat scraps, gluten feed, dried skimmed milk, produlac, alfalfa meal, calcite flour, bone meal, salt, cod liver oil.
	F.	16.11	3.10	5.26	11.81	8.53	55.19	
Johnson's Dairy Feed	G.	16.00	3.00	9.00	....	....	....	Corn meal, linseed meal, cottonseed meal, ground oats, wheat bran, gluten feed, 1% salt.
	F.	21.01	3.72	6.42	9.69	7.83	51.33	
Johnson's Growing Mash	G.	14.00	3.50	8.00	....	....	....	Corn meal, wheat bran, wheat middlings, ground oats, dried skimmed milk, fish meal, meat scraps, alfalfa meal, soybean meal, gluten feed, calcite flour, manganese sulphate, 1% salt, exadol (vitamin A and D oil).
	F.	17.69	4.24	5.59	10.18	8.28	54.02	
Johnson's Mash Feed	G.	16.00	4.00	7.00	....	....	....	Corn meal, ground oats, wheat middlings, wheat bran, meat scraps, gluten feed, alfalfa meal, charcoal, soybean meal, dried skimmed milk, produlac, calcite flour, bone meal, 1% salt, exadol (vitamin A and D oil).
	F.	17.16	4.46	5.71	9.85	8.72	54.10	

Kasco Mills, Toledo, Ohio.								
Kasco All Mash Chick Starter	G.	18.00	4.00	6.50	....	....	....	Wheat red dog, ground oat meal, wheat middlings, wheat bran, corn meal, meat scraps, fish meal, bone meal, linseed oil meal, soybean oil meal, pulverized oats, dried skimmed milk (feeding), dried whey, riboflavin supplement, ½% salt, vitamin A and D feeding oil, calcite, alfalfa leaf meal, 0.0063% manganese sulphate.
	F.	17.52	4.02	5.74	9.74	7.56	55.42	
Kasco Body Builder (Pellets)	G.	15.00	4.00	7.00	....	....	....	Corn meal, corn germ meal, molasses, ground oat meal, wheat bran, wheat middlings, wheat red dog, ground barley, linseed oil meal, alfalfa leaf meal, meat scraps, bone meal, fish meal, soybean oil meal, dried skimmed milk (feeding), dried whey, riboflavin supplement, pulverized oats, vitamin A and D feeding oil, ½% salt, calcite.
	F.	16.37	4.65	6.24	10.79	6.39	55.56	
Kasco Egg Producer	G.	20.00	4.00	7.50	....	....	....	Wheat bran, wheat middlings, corn meal, linseed oil meal, soybean oil meal, pulverized oats, ground barley, meat scraps, bone meal, fish meal, dried skimmed milk (feeding), dried whey, riboflavin supplement, ¾% salt, calcite, 0.0125% manganese sulphate, vitamin A and D feeding oil, alfalfa leaf meal, ground oat meal.
	F.	21.62	4.93	6.41	9.66	10.68	46.70	
Kraft Cheese Co., Chicago, Ill.								
Collis Dried Buttermilk	G.	30.00	5.00	....	....	....	....	Made from liquid buttermilk.
	F.	29.50	5.16	....	4.96	9.56	....	
Ward's Dried Skim Milk (Feeding)	G.	32.00	0.50	....	....	....	....	Made from liquid skimmed milk.
	F.	32.18	0.72	....	4.84	7.83	....	
Charles A. Krause Milling Co., Milwaukee, Wisc.								
Badger White Hominy Feed ..	G.	10.00	6.00	6.00	....	....	....	Made from white corn.
	F.	11.21	4.09	3.51	10.64	2.17	68.38	
Larrowe Milling Co., Detroit, Mich.								
Dried Beet Pulp	G.	7.00	0.30	22.50	....	....	....	Residue of sugar beets dried after the extraction of sugar.
	F.	9.63	0.46	20.54	8.19	5.73	55.45	
Larro Broiler Feed	G.	20.00	3.50	7.00	....	....	....	Yellow corn meal, wheat standard middlings, corn gluten meal, soybean oil meal, wheat bran, ground oats, alfalfa meal, fish meal, meat and bone scrap, dried milk by-product, riboflavin supplement, 3% limestone, 0.5% salt, vitamin A and D feeding oil, D-activated animal sterol, 0.0125% manganese dioxide.
	F.	19.77	3.13	4.52	12.03	7.35	53.20	
Larro Chick Builder	G.	19.00	4.00	7.00	....	....	....	Wheat standard middlings, yellow corn meal, wheat bran, ground barley, corn gluten meal, soybean oil meal, ground oats, meat and bone scrap, fish meal, alfalfa meal, dried milk by-product, riboflavin supplement, 3% limestone, 0.5% salt, A and D feeding oil, D-activated animal sterol, 0.0125% manganese dioxide.
	F.	20.40	4.19	6.15	9.35	10.25	49.66	
Larro Dairy Feed	G.	20.00	3.75	12.00	....	....	....	Cottonseed meal, yellow corn meal, wheat standard middlings, soybean oil meal, old process linseed oil meal, corn gluten feed, corn distillers' dried grains, dried beet pulp, wheat bran, 1% limestone, 1% salt.
	F.	22.42	4.34	9.78	8.75	6.56	48.15	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Larro 32 Dairy Feed	G.	32.00	4.00	10.50	....	....	....	Cottonseed meal, wheat bran, soybean oil meal, corn distillers' dried grains, dried beet pulp, old process linseed oil meal, 1% limestone, 2% salt.
	F.	33.01	5.20	10.26	8.54	8.71	34.28	
Larro Hog Feed Concentrate	G.	40.00	5.50	7.00	....	....	....	Meat and bone scrap, soybean oil meal, cottonseed meal, wheat standard middlings, fish meal, alfalfa meal, 1½% salt, 2½% limestone, 0.05% manganese dioxide.
	F.	41.37	6.87	6.92	6.67	18.86	19.31	
Larro Mash Concentrate	G.	32.00	4.50	7.50	....	....	....	Soybean oil meal, meat and bone scrap, fish meal, wheat standard middlings, alfalfa meal, wheat bran, dried milk by-product, riboflavin supplement, 4% limestone, 1% salt, vitamin A and D feeding oil, D-activated animal sterol, 0.0188% manganese dioxide.
	F.	34.28	5.46	7.02	7.43	14.93	30.88	
L. B. Lovitt & Co., Memphis, Tenn.								
Lovit Brand 41% Protein Cottonseed Meal	G.	41.00	5.00	13.00	....	....	....	Cottonseed meal.
	F.	41.02	5.53	11.08	7.85	6.27	28.25	
Maine Fish Meal Co., Portland, Me.								
Maine Vitamin D Fish Meal	G.	55.00	10.00	....	....	....	....	
	F.	55.77	16.72	....	6.09	19.35	....	
Maple Leaf Milling Co., Toronto, Canada.								
Maple Leaf Red Dog	G.	16.50	3.50	4.50	....	....	....	
	F.	16.35	4.94	4.93	10.11	3.98	59.69	
Rex Wheat Bran	G.	15.00	3.50	12.00	....	....	....	
	F.	14.48	4.78	12.07	10.07	6.22	52.38	
Marianna Sales Co., Memphis, Tenn.								
White Mule Brand 41% Protein Cottonseed Meal or Cake	G.	41.00	5.00	13.00	....	....	....	Cottonseed cake.
	F.	42.55	5.77	9.41	7.08	7.62	27.57	
Maritime Milling Co., Buffalo, N. Y.								
B-B Broiler Ration	G.	20.00	4.00	7.00	....	....	....	Fortified cod liver oil, fortified sardine oil, wheat germ oil, kelp meal, dried cheese whey, California alfalfa leaf meal, riboflavin supplement, soybean oil meal, corn meal, corn gluten meal, ground wheat, wheat bran, wheat flour middlings, wheat standard middlings, ground oat meal, pulverized heavy oats, pulverized barley, meat scraps, steamed bone meal, fish meal, calcium carbonate, salt, potassium iodide, manganese sulphate.
	F.	21.54	3.81	6.37	9.07	6.95	52.26	

B-B Complete Laying Ration .	G.	17.00	4.00	7.00	....	....	....	Fortified cod liver oil, fortified sardine oil, dried cheese whey, wheat germ oil, dehydrated alfalfa leaf meal, wheat bran, wheat standard middlings, corn meal, pulverized heavy oats, pulverized barley, soybean oil meal, corn gluten meal, meat scraps, fish meal, steamed bone meal, riboflavin supplement, calcium carbonate, salt, potassium iodide, manganese sulphate.
	F.	21.45	4.41	6.57	9.43	7.43	50.71	
B-B Egg Mash	G.	20.00	3.50	9.00	....	....	....	Fortified cod liver oil, fortified sardine oil, dried cheese whey, alfalfa meal, wheat bran, wheat standard middlings, soybean oil meal, corn gluten meal, corn meal, pulverized barley, pulverized oats, meat scraps, fish meal, steamed bone meal, riboflavin supplement, calcium carbonate, salt, potassium iodide, manganese sulphate.
	F.	22.55	3.85	6.85	9.34	8.33	49.08	
B-B Hi-Test 20% Protein Dairy Feed Sweetened	G.	20.00	3.50	12.00	....	....	....	Dried brewers' grains, cottonseed meal, corn gluten feed, soybean oil meal, old process linseed oil meal, hominy feed, ground oats, corn meal, cleaned, pulverized and bolted screenings from wheat, oats and barley, wheat bran, molasses, steamed bone meal, calcium carbonate, salt.
	F.	23.38	4.06	10.22	9.72	6.13	46.49	
B-B Marmico 16% Protein Dairy Feed with Molasses ...	G.	16.00	3.00	12.00	....	....	....	Dried brewers' grains, soybean oil meal, old process linseed oil meal, cottonseed meal, corn gluten feed, corn meal, cleaned, pulverized and bolted screenings from wheat, oats and barley, wheat bran, molasses, steamed bone meal, calcium carbonate, salt.
	F.	20.14	3.42	9.63	10.23	6.15	50.43	
B-B Special Dairy Feed 20% Protein	G.	20.00	4.00	12.00	....	....	....	Dried brewers' grains, corn distillers' grains, soybean oil meal, ground wheat, corn gluten feed, hominy feed, molasses, steamed bone meal, calcium carbonate, salt.
	F.	23.20	4.78	9.90	7.96	7.59	46.57	
Merrimack Farmers' Exchange, Concord, N. H.								
Merrimack All Mash	G.	15.00	4.00	6.00	....	....	....	Corn meal, soybean oil meal, ground oats, oat groats, wheat bran, cracked wheat, alfalfa meal, meat scraps, fish meal, dried milk by-product, steamed bone meal, calcium carbonate, tested oil, salt, manganese sulphate, riboflavin concentrate (source of vitamin G).
	F.	17.73	4.39	4.60	10.49	6.34	56.45	
Merrimack Breeder Mash ...	G.	19.50	5.00	6.00	....	....	....	Soybean oil meal, corn meal, ground oats, wheat bran, wheat flour middlings, wheat standard middlings, alfalfa meal, cracked wheat, meat scraps, fish meal, dried milk by-product, riboflavin concentrate (source of vitamin G), manganese sulphate, calcium carbonate, salt, vitamin A and D feeding oil.
	F.	19.74	4.63	5.81	9.25	8.28	52.29	
Merrimack Calf Starter	G.	18.00	4.00	4.00	....	....	....	Rolled oats, corn meal, wheat bran, corn gluten feed, linseed oil meal, soybean oil meal, vitamin D fish meal, dried milk by-product, cane molasses, edible bone, riboflavin concentrate (source of vitamin G), calcium carbonate, salt, irradiated dry yeast, vitamin A and D feeding oil.
	F.	19.44	4.72	3.53	10.74	6.52	55.05	
Merrimack Chick Starter	G.	18.00	4.00	5.00	....	....	....	Soybean oil meal, corn meal, fine cracked corn, wheat flour middlings, wheat standard middlings, wheat bran, cracked wheat, alfalfa meal, meat scraps, fish meal, ground oat groats, cut oat groats, steamed bone meal, calcium carbonate, salt, manganese sulphate, riboflavin concentrate (source of vitamin G), dried milk by-product, vitamin A and D feeding oil.
	F.	18.21	4.87	4.32	9.84	7.95	54.81	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Merrimack Chick and Broiler Mash	G.	18.50	4.00	6.00	....	....	....	Corn meal, corn gluten meal, cracked wheat, wheat bran, ground oats, alfalfa meal, soybean oil meal, dried milk by-product, meat scraps, fish meal, calcium carbonate, manganese sulphate, A and D feeding oil, salt, riboflavin concentrate (source of vitamin G).
	F.	19.17	4.34	5.85	9.13	7.01	54.50	
Merrimack 16% Dairy Ration	G.	16.00	4.50	8.00	....	....	....	Corn gluten feed, wheat bran, ground oats, corn meal, hominy feed, cottonseed meal, soybean oil meal, wheat standard middlings, cane molasses, calcium carbonate, salt, steamed bone meal, linseed oil meal.
	F.	18.78	3.99	6.79	10.70	7.14	52.60	
Merrimack Dairy Ration	G.	20.00	4.50	10.00	....	....	....	Corn gluten feed, cottonseed meal, brewers' dried grains, corn meal, soybean oil meal, linseed oil meal, wheat bran, wheat standard middlings, ground oats, steamed bone meal, calcium carbonate, distillers' dried grains, salt.
	F.	19.64	4.71	7.58	9.56	7.01	51.50	
Merrimack Fitting Ration ...	G.	14.00	4.50	8.00	....	....	....	Soybean oil meal, ground oats, corn meal, wheat bran linseed oil meal, cane molasses, calcium carbonate, steamed bone meal, salt, tested oil and irradiated dry yeast.
	F.	15.59	3.97	6.44	10.23	6.15	57.62	
Merrimack Goat Ration	G.	14.00	4.50	8.00	....	....	....	Soybean oil meal, ground oats, corn meal, wheat bran, linseed oil meal, cane molasses, calcium carbonate, salt, steamed bone meal, irradiated dry yeast.
	F.	15.32	3.28	6.72	12.13	6.58	55.97	
Merrimack Growing Mash ...	G.	17.00	4.25	6.00	....	....	....	Soybean oil meal, corn meal, wheat bran, wheat flour middlings, wheat standard middlings, ground oats, alfalfa meal, fish meal, meat scraps, steamed bone meal, dried skimmed milk, calcium carbonate, salt, tested oil, manganese sulphate, riboflavin concentrate (source of vitamin G).
	F.	18.21	4.68	4.69	10.04	7.69	54.69	
Merrimack Horse Feed	G.	11.00	3.75	6.25	....	....	....	Whole oats, yellow cracked corn, wheat bran, linseed oil meal, cane molasses, calcium carbonate, salt.
	F.	12.52	3.75	5.87	11.28	5.22	61.36	
Merrimack Laying Mash	G.	19.00	4.25	6.00	....	....	....	Soybean oil meal, corn meal, wheat bran, wheat flour middlings, wheat standard middlings, ground oats, alfalfa meal, fish meal, meat scraps, dried skimmed milk, calcium carbonate, steamed bone meal, tested oil, salt, manganese sulphate, riboflavin concentrate (source of vitamin G).
	F.	19.44	4.90	4.98	9.87	8.41	52.40	
Merrimack Milk Ration Sweetened	G.	20.00	4.00	8.50	...	....	....	Wheat bran, wheat standard middlings, corn gluten feed, corn gluten meal, linseed oil meal, soybean oil meal, cottonseed meal, ground oats, corn meal, brewers' dried grains, cane molasses, steamed bone meal, distillers' grains, calcium carbonate, salt.
	F.	22.55	4.11	8.13	9.97	7.49	47.75	
Merrimack Pig Ration	G.	17.00	5.00	7.00	....	....	....	Wheat standard middlings, wheat bran, wheat flour middlings, hominy feed, corn meal, soybean oil meal, fish meal, meat scraps, alfalfa meal, salt, charcoal, calcium carbonate, irradiated dry yeast, vitamin A and D feeding oil.
	F.	18.04	5.00	5.99	8.77	7.32	54.88	
Merrimack Special Mash	G.	19.00	5.00	8.00	....	....	....	Soybean oil meal, wheat standard middlings, corn meal, alfalfa meal, wheat bran, ground oats, meat scraps, fish meal, calcium carbonate, salt, tested oil, manganese sulphate.
	F.	19.61	4.45	5.03	9.98	7.65	53.28	

Merrimack Stock Feed	G.	9.00	4.00	11.00	....	....	....	Cane molasses, soybean oil meal, hominy feed, oat mill feed, ground oats, salt, calcium carbonate, linseed oil meal, ground barley.
	F.	12.43	2.68	7.21	12.28	4.50	60.90	
Merrimack Super Mash	G.	19.00	5.00	6.00	....	....	....	Soybean oil meal, corn meal, ground oat groats, ground oats, wheat flour middlings, wheat standard middlings, wheat bran, alfalfa meal, meat scraps, fish meal, dried milk by-product, calcium carbonate, steamed bone meal, tested oil, salt, manganese sulphate, riboflavin concentrate (source of vitamin G).
	F.	19.00	4.69	5.66	9.62	7.96	53.07	
Merrimack Turkey Growing Mash (Pelleted)	G.	20.00	3.00	8.00	....	....	....	Corn meal, soybean oil meal, corn gluten meal, ground oats, wheat standard middlings, wheat bran, alfalfa meal, meat scraps, fish meal, dried milk by-product, calcium carbonate, steamed bone meal, salt.
	F.	20.18	4.64	5.43	9.81	8.10	51.84	
Merrimack 18% War Ration .	G.	18.00	3.00	8.00	....	....	....	Corn gluten feed, linseed oil meal, wheat bran, corn meal, ground wheat, salt, steamed bone meal, calcium carbonate.
	F.	22.11	4.28	6.14	9.42	7.49	50.56	
George Q. Moon & Co., Binghamton, N. Y.								
Fitting Ration	G.	13.00	3.00	9.00	....	....	....	Linseed oil meal, soybean oil meal, corn meal, ground oats, ground barley, wheat bran (with ground screenings not to exceed mill run), molasses, calcium carbonate, salt, bone meal, crimped oats.
	F.	15.54	4.01	6.39	11.43	5.99	56.64	
Moon's 20% Dairy Ration with Molasses	G.	20.00	3.00	11.00	....	....	....	Hominy feed, soybean oil meal, corn gluten feed, ground and bolted clipped oat by-products, rye distillers' grains, corn distillers' grains, old process linseed oil meal, cottonseed meal, wheat bran (with ground screenings not to exceed mill run), calcium carbonate, salt, molasses, ground oats, ground screenings from wheat, ground barley, peanut oil meal, babassu meal, palm kernel meal.
	F.	20.79	4.23	8.61	9.99	7.20	49.18	
Moon's 90 Horse Feed with Molasses	G.	9.00	3.00	10.00	....	....	....	Crimped oats, cracked corn, wheat bran (with ground screenings not to exceed mill run), molasses, alfalfa meal, old process linseed oil meal.
	F.	12.56	3.42	7.42	11.68	3.28	61.64	
Moon's Stock Feed	G.	9.00	3.00	12.00	....	....	....	Hominy feed, corn meal, ground screenings from wheat, standard middlings (with ground screenings not exceeding mill run), old process linseed oil meal, ground and bolted clipped oat by-product, salt.
	F.	11.86	3.61	10.11	10.41	4.78	59.23	
National Lead Co., New York, N. Y.								
Dutch Boy Old Process 32% Protein Linseed Oil Meal	G.	32.00	4.50	10.00	....	....	....	
	F.	34.63	5.73	8.21	9.34	5.80	36.29	
National Milling Co., Toledo, Ohio.								
Pure Wheat Bran	G.	14.00	3.00	10.00	....	....	....	
	F.	14.63	3.74	10.52	9.92	6.54	54.65	
New England Grain Co., Portland, Me.								
New England Complete Laying Mash	G.	15.00	5.00	6.00	....	....	....	Ground wheat, yellow corn meal, pure wheat bran, wheat flour middlings, fish meal, meat scraps, alfalfa leaf meal, feeding oat meal, cod liver oil, dried milk, molasses, calcium carbonate, salt.
	F.	17.79	4.61	6.37	11.16	7.77	52.30	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
New England Fitting Ration .	G.	14.00	4.50	8.00	....	....	....	Linseed oil meal, ground oats, pure wheat bran, wheat middlings, ground barley, corn meal, bone meal, fish meal, molasses, salt.
	F.	18.39	3.92	6.91	10.62	5.97	54.19	
New England Open Formula 20% Dairy Feed	G.	20.00	5.00	8.50	....	....	....	200 lbs. linseed oil meal, 300 lbs. corn distillers' dried grains, 100 lbs. gluten feed, 100 lbs. gluten meal, 300 lbs. pure wheat bran, 140 lbs. corn meal, 200 lbs. choice cottonseed meal, 200 lbs. wheat middlings, 300 lbs. ground oats, 100 lbs. cane molasses, 20 lbs. cattle bone meal, 20 lbs. salt, 20 lbs. calcium carbonate.
	F.	21.71	4.15	11.24	9.53	7.29	46.08	
New England Pig and Hog Ration	G.	15.00	5.00	10.00	....	....	....	Ground corn, flour middlings, red dog, meat meal, fish meal, alfalfa leaf meal, linseed oil meal, ground wheat, salt.
	F.	15.06	4.43	6.01	10.82	8.66	55.02	
New England Sterling 20% Dairy Feed	G.	20.00	4.00	10.50	....	....	....	Gluten feed, cottonseed meal, wheat bran with screenings, wheat middlings, soybean meal, malt sprouts, linseed oil meal, brewers' grains, corn meal, molasses, salt.
	F.	20.57	4.59	8.71	9.68	6.21	50.24	
New England Sterling Laying Mash	G.	20.00	5.00	8.00	....	....	....	Ground corn, wheat and oats, wheat bran, wheat middlings, meat scraps, linseed oil meal, soybean meal, fish meal, vitadine, alfalfa leaf meal, dried milk, cod liver oil, calcium carbonate, salt.
	F.	20.11	4.95	6.28	10.51	10.76	47.39	
New England Sweetened Horse Feed	G.	9.00	3.50	9.00	....	....	....	Crimped oats, ground oats, cracked corn, linseed oil meal, bran, alfalfa, salt, molasses.
	F.	11.95	3.75	5.79	12.06	5.17	61.28	
New England Sweetened Stock Feed	G.	9.00	4.00	10.00	....	....	....	Ground barley, ground oats, ground hominy meal, ground corn, oat shorts, oat feed, oat middlings, molasses, salt.
	F.	12.08	3.51	9.82	10.39	6.47	57.73	
3 in 1 Mash Starting Growing and Laying	G.	17.00	5.00	6.00	....	....	....	Fortified cod liver oil, cod liver meal, dried milk, vitadine, feeding oat meal, pulverized oats, alfalfa leaf meal, fish meal, meat meal, flour middlings, pure wheat bran, ground corn, shell flour, ground wheat, molasses, salt.
	F.	17.29	4.75	5.66	10.40	8.30	53.60	
Ogden Grain Co., Utica, N. Y. Ograinco Milk Ration	G.	20.00	4.00	8.00	....	....	....	Corn distillers' dried grains, corn gluten feed, soybean oil meal, old process linseed oil meal, ground oats, ground wheat, cottonseed meal, corn meal or hominy, wheat bran, wheat middlings, cane molasses, bone meal, calcium carbonate, salt, potassium iodide.
	F.	21.54	4.36	9.79	8.67	8.07	47.57	
Pilgrim Fitting Ration	G.	14.00	4.00	7.00	....	....	....	Old process linseed oil meal, wheat bran, corn meal or hominy, crushed oats, ground barley, ground wheat, cane molasses, calcium carbonate, salt, bone meal, potassium iodide.
	F.	15.89	4.20	6.84	10.07	7.68	55.32	

Pilgrim Laying Mash	G.	20.00	4.00	7.00	....	....	....	Alfalfa meal, pulverized oats, meat scraps, fish meal, dried skimmed milk, soybean oil meal, corn meal, ground wheat, wheat bran, wheat middlings (may contain mill run screenings), locust bean meal, blood flour, rice polish, calcium carbonate, A and D feeding oil, potassium iodide, manganese.
	F.	20.31	4.20	6.11	10.14	8.30	50.94	
Pilgrim Starter-Grower-Layer .	G.	15.00	4.00	8.00	....	....	....	Riboflavin concentrate from corn distillers' solubles, fish meal, meat scraps, dehydrated alfalfa meal, wheat bran, soybean oil meal, ground oats, ground wheat, ground barley, ground corn, potassium iodide, calcium carbonate, salt, A and D feeding oil, manganese.
	F.	15.32	3.31	5.19	11.73	6.88	57.57	
Pilgrim Supplemental Pellets .	G.	24.00	4.00	7.00	....	....	....	Dried whey, fish meal, meat scraps, dehydrated alfalfa meal, soybean oil meal, corn gluten meal, corn meal, wheat bran, wheat middlings, ground oats, calcium carbonate, salt, A and D feeding oil.
	F.	24.47	3.43	6.24	10.46	8.09	47.31	
Thrift 16% Dairy Feed	G.	16.00	3.50	12.00	....	....	....	Soybean oil meal, old process linseed oil meal, corn gluten feed, wheat bran, wheat screenings, oat feed (oat shorts, oat hulls, oat middlings), corn meal, dried brewers' grains, molasses, calcium carbonate, salt, potassium iodide.
	F.	19.05	3.63	10.15	9.81	5.43	51.93	
Thrift 20% Dairy Feed	G.	20.00	3.25	8.50	....	....	....	Soybean oil meal, old process linseed oil meal, corn gluten feed, gluten meal, ground corn, ground oats, ground wheat, cottonseed meal, wheat bran, wheat middlings (may contain mill run screenings), dried brewers' grains, molasses, calcium carbonate, salt, potassium iodide.
	F.	22.07	3.59	8.65	10.34	6.96	48.39	
Thrift Growing Mash	G.	16.00	4.00	8.00	....	....	....	Ground yellow corn, ground heavy oats, ground wheat, soybean oil meal, wheat bran, meat scraps, fish meal, dehydrated alfalfa meal, riboflavin concentrate from corn distillers' solubles, calcium carbonate, A and D feeding oil, potassium iodide, manganese, molasses.
	F.	17.51	3.35	5.14	11.27	7.36	55.37	
Ogilvie Flour Mills Co., Montreal, Canada.								
Ogilvie Wheat Shorts	G.	16.00	5.00	8.00	....	....	....	
	F.	18.83	5.60	7.95	10.28	4.65	52.69	
Oswego Soy Products Co., Oswego, N. Y.								
Old Process Expeller 41% Protein Soybean Oil Meal ...	G.	41.00	4.50	7.00	....	....	....	Soybean oil meal.
	F.	43.52	4.71	5.84	11.24	6.33	28.36	
Park & Pollard Co., Boston, Mass.								
Bidwell Laying Mash	G.	20.00	3.00	8.00	....	....	....	Dried whey, alfalfa meal, corn meal, ground oats, ground barley, wheat bran (may contain mill run wheat screenings), wheat middlings, fish meal, meat and bone meal, corn gluten meal, soybean oil meal, calcium carbonate, salt, manganese sulphate, D-activated animal sterol (vitamin D), vitamin A and D feeding oil.
	F.	20.57	3.25	6.21	9.37	9.17	51.43	
Bulky Sweet Dairy Feed	G.	12.00	2.50	12.00	....	....	....	Beet pulp, brewers' dried grains, wheat bran, gluten feed, hominy, ground barley, alfalfa meal, molasses, calcium carbonate, salt.
	F.	14.62	2.81	10.56	10.29	6.95	54.77	
Doublex 20% Dairy Ration ..	G.	20.00	3.50	11.00	....	....	....	Linseed oil meal, corn gluten feed, brewers' dried grains, ground oats, corn gluten meal, soybean oil meal, hominy, corn distillers' grains, ground barley, wheat bran, malt sprouts, cottonseed meal, ground grain screenings from wheat, oats, barley, buckwheat and milo, molasses, calcium carbonate, salt.
	F.	21.49	5.14	9.21	8.87	8.17	47.12	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Doublex 24% Dairy Ration ..	G.	24.00	3.50	11.00	....	....	....	Wheat bran, corn distillers' dried grains, linseed oil meal, brewers' dried grains, soybean oil meal, hominy, ground oats, malt sprouts, corn gluten meal, cottonseed meal, corn gluten feed, ground grain screenings from wheat, oats, barley, buckwheat and milo, molasses, calcium carbonate, salt.
	F.	25.42	4.94	9.64	8.75	9.16	42.09	
Go-Tu-It Pig and Hog Ration	G.	15.00	3.00	8.00	....	....	....	Alfalfa meal, hominy meal, soybean oil meal, ground barley, fish meal, meat, bone, corn meal, wheat middlings, calcium carbonate, salt.
	F.	18.04	3.11	6.00	10.12	7.07	55.66	
Lay or Bust Dry Mash	G.	20.00	3.00	7.00	....	....	....	Dried whey, alfalfa leaf meal, corn gluten meal, fish meal, ground yellow corn, ground barley, meat scraps, ground oats, corn distillers' grains with solubles, soybean oil meal, wheat bran (may contain mill run wheat screenings), wheat middlings, calcium carbonate, salt, manganese sulphate, D-activated animal sterol (vitamin D), vitamin A and D feeding oil.
	F.	22.20	3.70	6.69	9.27	6.98	51.16	
Milkmaid 16% Dairy Ration .	G.	16.00	3.50	10.00	....	....	....	Corn gluten feed, linseed oil meal, ground barley, cottonseed meal, corn distillers' dried grains, soybean oil meal, ground oats, wheat bran, wheat middlings, brewers' dried grains, malt sprouts, corn gluten meal, corn meal, cane molasses, calcium carbonate, salt.
	F.	17.16	3.50	7.49	8.96	7.86	55.03	
Milkmaid 20% Dairy Ration .	G.	20.00	3.50	10.00	....	....	....	Corn gluten feed, linseed oil meal, cottonseed meal, ground barley, corn distillers' dried grains, soybean oil meal, ground oats, wheat bran, brewers' dried grains, malt sprouts, corn gluten meal, corn meal, cane molasses, calcium carbonate, salt.
	F.	22.02	4.20	7.19	8.74	6.31	51.54	
Park & Pollard Breeder Mash	G.	20.00	3.50	7.00	....	....	....	Yellow corn meal, pulverized oats, alfalfa leaf meal, wheat bran, wheat middlings, meat scraps, corn distillers' grains with solubles, fish meal, corn gluten meal, soybean oil meal, dried whey, manganese sulphate, salt, calcium carbonate, D-activated animal sterol (vitamin D), vitamin A and D feeding oil.
	F.	21.93	3.53	6.16	9.38	7.96	51.04	
Park & Pollard Chick Starter	G.	17.00	3.50	6.00	....	....	....	Dried whey, ground yellow corn, ground barley, corn distillers' grains with solubles, pulverized oats, fish meal, meat scraps, wheat bran, wheat middlings, corn gluten meal, soybean oil meal, alfalfa leaf meal, calcium carbonate, manganese sulphate, salt, D-activated animal sterol (vitamin D), vitamin A and D feeding oil.
	F.	20.31	3.88	5.82	9.77	7.33	52.89	
Park & Pollard Doublex 16% Dairy Ration	G.	16.00	3.50	12.00	....	....	....	Corn distillers' grains, ground oats, ground barley, brewers' dried grains, malt sprouts, linseed oil meal, cottonseed meal, ground grain screenings from wheat, oats, barley, buckwheat and milo, hominy, soybean oil meal, corn gluten feed, molasses, calcium carbonate, salt.
	F.	19.44	3.98	9.29	9.55	7.95	49.79	
Park & Pollard Fitting Ration	G.	12.00	3.00	8.00	....	....	....	Corn meal, hominy, ground barley, wheat bran, linseed oil meal, crushed oats, molasses, calcium carbonate, salt.
	F.	12.38	3.21	6.51	11.19	5.44	61.27	

Park & Pollard Growing Feed	G.	16.00	3.00	7.00	....	....	....	Dried whey, alfalfa leaf meal, fish meal, soybean oil meal, ground yellow corn, ground barley, meat scraps, wheat bran (may contain mill run wheat screenings), wheat middlings, corn distillers grains with solubles, ground oats, corn gluten meal, calcium carbonate, salt, manganese sulphate, D-activated animal sterol (vitamin D), vitamin A and D feeding oil.
	F.	18.95	3.57	7.12	9.94	7.36	53.06	
Park & Pollard Manamar Doublex 20% Dairy Ration ..	G.	20.00	3.50	11.00	....	....	....	Kelp, Pacific coast fish meal, marine sea shells, linseed oil meal, corn gluten feed, brewers' dried grains, ground oats, corn gluten meal, soybean oil meal, hominy, ground barley, corn distillers' grains, wheat bran, malt sprouts, cottonseed meal, ground grain screenings from wheat, oats, barley, buckwheat and milo, molasses, calcium carbonate, salt.
	F.	20.71	4.73	8.97	9.53	8.00	48.06	
Park & Pollard Manamar Fitting Ration	G.	12.00	3.00	7.00	....	....	....	Kelp, Pacific coast fish meal and marine sea shells, linseed oil meal, ground oats, corn meal, ground barley, wheat bran, molasses, calcium carbonate, cracked corn, crushed oats, salt.
	F.	12.65	3.75	6.67	10.75	6.04	60.14	
Park & Pollard 32% Mixing Ration	G.	32.00	3.00	9.00	....	....	....	Linseed oil meal, cottonseed meal, corn gluten feed, soybean oil meal, corn gluten meal, corn distillers' grains, molasses, calcium carbonate, salt.
	F.	34.67	4.11	6.77	8.50	7.90	38.05	
Park & Pollard Starter and Broiler Mash	G.	18.00	3.50	6.00	....	....	....	Ground yellow corn, wheat bran, wheat flour middlings, pulverized oats, corn distillers' grains with solubles, ground barley, fish meal, meat scraps, corn gluten meal, soybean oil meal, alfalfa leaf meal, dried whey, calcium carbonate, manganese sulphate, salt, D-activated animal sterol (vitamin D), vitamin A and D feeding oil.
	F.	20.75	3.81	5.35	9.83	6.38	53.88	
Park & Pollard Turkey Grower	G.	20.00	3.50	7.00	....	....	....	Yellow corn meal, ground barley, dehydrated alfalfa leaf meal, ground oats, meat scraps, corn distillers' grains with solubles, wheat bran, wheat middlings, corn gluten meal, soybean oil meal, dried whey, calcium carbonate, salt, manganese sulphate, D-activated animal sterol (vitamin D), vitamin A and D feeding oil.
	F.	23.91	3.75	6.19	9.01	9.93	47.21	
Yankee Horse Feed	G.	10.00	3.00	9.00	....	....	....	Crushed barley, cracked corn, crimped oats, wheat bran, molasses, calcium carbonate, salt.
	F.	10.42	3.72	6.06	10.77	2.91	66.12	
Parrish & Heimbecker, Toronto, Canada.								
Parrheim Pure Wheat Shorts .	G.	16.00	5.00	8.00	....	....	....	
	F.	18.56	2.99	7.04	12.87	4.13	54.41	
Purina Mills, St. Louis, Mo.								
Purina B & M Cow Chow	G.	16.00	3.50	10.00	....	....	....	Crushed oats, distillers' corn dried grains, linseed meal, corn meal, ground barley, soybean oil meal, wheat middlings (standard), wheat bran, molasses, 2% calcium carbonate (limestone), 1% iodized salt.
	F.	19.17	4.45	8.14	9.94	7.15	51.15	
Purina Broiler Chow	G.	18.00	3.50	7.00	....	....	....	Corn meal, meat scraps, fish meal, soybean oil meal, ground oats, corn gluten meal, dried milk by-product, alfalfa leaf meal, wheat middlings (grey), wheat bran, alfalfa meal, riboflavin supplement, vitamin A and D feeding oil, carotene, ½% calcium carbonate (limestone), ½% iodized salt.
	F.	22.24	3.81	5.37	10.15	6.61	51.82	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Purina Calf Startena	G.	19.50	2.50	9.50	....	....	....	Linseed meal, soybean oil meal, blood flour, dried skimmed milk, wheat flour (second clear), bolted corn meal, dried beet pulp, crushed oats, alfalfa meal, wheat middlings (standard), molasses, wheat bran riboflavin supplement, carotene, 1.25% calcium carbonate limestone), 0.75% iodized salt.
	F.	19.70	3.14	9.46	10.53	6.97	50.20	
Purina 20% Cow Chow	G.	20.00	3.50	10.00	....	....	....	Soybean oil meal, corn gluten feed, linseed meal, crushed oats, cottonseed meal, distillers' corn dried grains, wheat middlings (standard), wheat bran, corn meal, alfalfa meal, molasses, minerals: 1% steamed bone meal (tricalcium phosphate), 1% salt (sodium chloride), 1% limestone (calcium carbonate), 0.04 gram potassium iodide per 100 pounds of feed.
	F.	21.19	3.82	7.57	10.00	7.01	50.41	
Purina Dry and Freshening Chow	G.	12.00	2.00	14.00	....	....	....	Soybean oil meal, crushed oats, dried beet pulp, barley, alfalfa meal, molasses, wheat bran, riboflavin supplement, carotene, 2% calcium carbonate (limestone), 2% iodized salt.
	F.	13.00	3.01	11.63	11.19	8.19	52.98	
Purina Eggena Complete Ration	G.	15.50	3.00	8.00	....	....	....	Corn meal, meat scraps, soybean oil meal, alfalfa meal, dried milk by-product, wheat bran, wheat middlings (standard), dried beet pulp, ground barley, ground kafir, ground milo, corn gluten feed, vitamin A and D feeding oil, carotene, ½% iodized salt, 4% calcium carbonate (limestone).
	F.	16.42	3.36	6.46	9.88	7.27	56.61	
Purina 22% Lay Chow	G.	22.00	3.50	8.00	....	....	....	Soybean oil meal, meat scraps, corn meal, alfalfa meal, dried milk by-product, corn gluten feed, wheat middlings (grey), wheat bran, ground oats, vitamin A and D feeding oil, carotene, 1% iodized salt, 3% calcium carbonate (limestone).
	F.	24.12	3.70	7.72	9.06	8.77	46.63	
Purina Layena	G.	15.50	3.50	8.00	....	....	....	Corn meal, ground oats, fish meal, soybean oil meal, meat scraps, alfalfa meal, dried milk by-product, wheat middlings (grey), ground barley, corn gluten feed, dried beet pulp, irradiated yeast, riboflavin supplement, vitamin A and D feeding oil, carotene, ½% iodized salt, 4% calcium carbonate (limestone).
	F.	17.51	3.38	5.48	10.81	8.75	54.07	
Purina Turkey Growena	G.	18.00	3.50	7.00	....	....	....	Corn meal, meat scraps, fish meal, soybean oil meal, alfalfa meal, dried milk by-product, ground oats, wheat middlings (grey), wheat bran, corn gluten meal, riboflavin supplement, carotene, 2% calcium carbonate (limestone) ½% iodized salt.
	F.	21.58	3.82	5.68	9.41	6.60	52.91	
Purina Wartime Bulky Las Chow	G.	12.00	2.00	15.00	....	....	....	Dried beet pulp, wheat bran, molasses, linseed meal, wheat middlings (standard), alfalfa meal, corn distillers' dried grains, 3% calcium carbonate (limestone), 2% iodized salt.
	F.	16.81	3.81	13.74	9.52	9.90	46.22	
Quaker Oats Co., Chicago, Ill.								
Bell Cow Wheat Bran	G.	15.00	3.50	11.50	....	....	....	
	F.	17.42	5.24	10.33	10.19	5.66	51.16	

Ful-O-Pep Laying Mash	G.	20.00	4.50	8.00	....	....	....	Oat meal, hominy feed, yellow hominy feed, wheat bran, wheat standard middlings, barley feed, corn gluten meal, pulverized oats, fish meal, meat scraps, soybean oil meal, D-activated animal sterol (vitamin D), dried butter milk, cane molasses, dehydrated alfalfa meal, dehydrated cereal grass (from wheat, oats, rye and barley), ¾ % salt.
	F.	20.35	4.86	6.88	8.17	6.11	53.63	
Ful-O-Pep Super Greens (Pellets)	G.	19.00	4.50	7.00	....	....	....	Oat meal, hominy feed, yellow hominy feed, wheat bran, wheat standard middlings, barley feed, fish meal, liver meal, meat scraps, D-activated animal sterol (vitamin D), dried whey, dried buttermilk, cane molasses, dehydrated alfalfa meal, dehydrated cereal grass (from wheat, oats, rye and barley), ¾ % salt.
	F.	18.87	5.46	6.67	7.52	8.38	53.10	
Quaker Sugared Schumacher Feed	G.	12.00	3.00	12.00	....	....	....	Ground corn, hominy feed, yellow hominy feed, barley feed, linseed meal, corn gluten meal, soybean oil meal, low grade wheat flour, wheat standard middlings, oat mill feed (oat hulls, oat shorts, oat middlings), 1% salt, 1% bone meal, cane molasses.
	F.	12.08	3.39	11.90	8.40	5.41	58.82	
Ralston Purina Co., St. Johnsbury, Vermont.								
Creamery Ration 20%	G.	20.00	4.00	10.00	....	....	....	Wheat bran, wheat middlings, hominy or corn feed meal, ground barley or barley feed, gluten feed, cottonseed meal, brewers' grains, ground oats, linseed meal, molasses, soybean oil meal, 2% calcium carbonate (limestone), 1% salt.
	F.	22.77	4.44	8.78	9.50	6.80	47.71	
Purina Breeder Lay Chow ...	G.	22.00	3.50	8.00	....	....	....	Corn meal, meat scraps, soybean oil meal, fish meal, alfalfa meal, dried milk by-product, corn germ meal, wheat middlings (grey), wheat bran, ground oats, riboflavin supplement, vitamin A and D feeding oil, carotene, 1% iodized salt, 3% calcium carbonate (limestone).
	F.	23.82	4.06	7.78	9.64	9.88	44.82	
Purina 18% Lay Chow	G.	18.00	3.00	8.00	....	....	....	Soybean oil meal, meat scraps, corn meal, alfalfa meal, dried milk by-product, corn gluten feed, wheat middlings (grey), wheat bran, ground barley, vitamin A and D feeding oil, carotene, 1% iodized salt, 3% calcium carbonate (limestone).
	F.	20.18	3.00	6.29	10.44	8.50	51.59	
Rio Grande Valley Citrus Exchange, Weslaco, Texas.								
Texsun Brand Dried Citrus Pulp with Molasses	G.	5.00	2.00	9.00	....	....	....	Dried citrus pulp, cane molasses.
	F.	4.58	1.69	9.08	8.85	8.34	67.46	
Rodney Milling Co., Kansas City, Mo.								
Heart of America Pure Wheat Bran	G.	16.50	3.50	10.00	....	....	....	Wheat bran not exceeding mill run.
	F.	16.64	4.11	9.94	10.56	7.31	51.44	
Russell-Miller Milling Co., Minneapolis, Minn.								
Alta Hard Wheat Middlings ..	G.	15.00	4.50	8.50	....	....	....	Mill run of standard middlings and flour middlings.
	F.	20.79	5.22	6.83	10.83	4.48	51.85	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
Hard Wheat Occident Mixed Feed	G.	15.00	4.50	9.50	....	....	....	Mill run of bran, middlings and red dog.
	F.	18.17	4.84	7.40	10.87	4.89	53.83	
Occident Hard Wheat Bran	G.	14.00	4.00	11.50	....	....	....	
	F.	18.78	5.13	9.69	9.59	5.77	51.04	
Joseph Schlitz Brewing Co., Milwaukee, Wisc.								
Schlitz Purity Brewers' Dried Grains	G.	24.00	5.00	20.00	....	....	....	
	F.	28.89	6.20	14.15	7.91	3.57	39.28	
Joseph E. Seagram & Sons Louisville, Ky.								
Seagram's Corn Distillers' Dried Grains	G.	28.00	8.00	14.00	....	....	....	Made principally from corn, also some barley, malt and rye.
	F.	**26.40**	8.90	13.96	3.71	5.05	41.98	
W. J. Small Co., Neodesha, Kans.								
Small's Dehydrated Alfalfa Leaf Meal	G.	20.00	2.50	18.00	....	....	....	Ground alfalfa, a portion of the stems removed.
	F.	21.05	3.12	16.56	6.74	9.94	42.59	
South End Hay & Grain Co., Manchester, N. H.								
20% Dairy Ration	G.	20.00	4.00	8.00	....	....	....	Ground oats, wheat bran, yellow corn meal, cottonseed meal, brewers' grains, gluten meal, gluten feed, oil meal, molasses, dicalcium phosphate, salt.
	F.	23.12	**3.31**	6.00	9.91	6.46	51.20	
Feedboard Egg Mash	G.	19.00	4.00	7.00	....	....	....	Yellow corn meal, wheat bran, wheat flour middlings, pulverized oats, alfalfa leaf meal, corn gluten meal, soybean meal, meat and bone scrap, fish meal, dried skimmed milk, calcium carbonate, salt, fortified cod liver oil, manganese sulphate.
	F.	21.49	**3.58**	5.29	9.17	9.26	51.21	
Feedboard Grower	G.	17.50	4.00	6.50	....	....	....	Fine ground oats, wheat flour middlings, corn gluten meal, coarse yellow corn meal, wheat bran, meat and bone scrap, alfalfa leaf meal, corn gluten feed, soybean oil meal, fish meal, dried skimmed milk, calcium carbonate, manganese sulphate, salt, fortified cod liver oil.
	F.	19.83	4.33	5.20	10.63	7.24	52.77	
Feedboard Starter and Broiler Ration	G.	20.00	3.50	7.00	....	....	....	Dried skimmed milk, yellow corn meal, wheat flour middlings, meat and bone scrap, wheat bran, alfalfa leaf meal, corn gluten meal, fine pulverized oats, fish meal, soybean meal, calcium carbonate, cane molasses, salt, dicalcium phosphate, fortified cod liver oil, manganese sulphate.
	F.	21.93	3.78	5.85	10.21	7.58	50.65	
F. B. Spaulding Co., Lancaster, N. H.								
Spaulding's Dairy Feed	G.	20.00	4.00	9.50	....	....	....	Linseed and/or soybean oil meal, 41% cottonseed meal, gluten feed, corn meal and/or hominy feed, wheat bran, dried brewers' grains, salt, calcium carbonate, molasses, wheat bran may contain mill run screenings.
	F.	21.32	4.27	7.33	9.71	6.54	50.83	

Spencer Kellogg & Sons, Edgewater, N. J.								
Kellogg's Old Process Linseed Oil Meal	G.	32.00	3.50	9.00	....	....	....	Ground linseed oil cake.
	F.	35.77	4.05	8.12	8.36	5.45	38.25	
A. E. Staley Mfg. Co., Decatur, Ill.								
Staley's 41% Protein Soybean Oil Meal	G.	41.00	3.50	7.00	....	....	....	
	F.	44.92	4.24	5.69	10.67	6.28	28.20	
Stratton & Co., Concord, N. H.								
Stratton & Co., Fancy Wheat Bran	G.	14.00	4.00	11.00	....	....	....	
	F.	15.19	4.54	9.54	10.29	6.44	54.00	
Stratton & Co., Wheat Middlings	G.	14.00	4.00	9.00	....	....	....	With ground screenings not exceeding mill run.
	F.	15.63	4.65	6.20	10.64	4.85	58.03	
Stratton & Co., Wheat Mixed Feed	G.	13.50	4.11	7.13	....	....	....	Screenings not exceeding mill run.
	F.	15.06	4.55	7.73	10.81	5.42	56.43	
Sunshine Stores, Fort Wayne, Ind.								
Sunshine Special 20% Dairy Feed	G.	20.00	3.50	12.00	....	....	....	Cottonseed meal, soybean oil meal, old process linseed oil meal, corn distillers' dried grains, brewers' dried grains, corn gluten feed, corn gluten meal, wheat bran, corn meal, hominy feed, ground oats, ground barley, 1% salt, 1% ground limestone, 0.2% bone meal, 0.02% iron oxide.
	F.	21.14	4.88	8.32	9.03	6.76	49.87	
Sunshine Special Mash	G.	15.00	4.00	8.00	....	....	....	Animal liver meal, riboflavin supplement, fish meal, dried milk by-product, dehydrated alfalfa meal, soybean oil meal, meat scraps, corn gluten feed, corn gluten meal, yellow corn meal, fine ground oats, wheat bran, wheat standard middlings, 1% ground limestone, 0.2% iron oxide, 0.2% manganese sulphate, 0.2% iodized salt, fortified sardine oil.
	F.	16.24	5.32	7.82	10.04	5.37	55.21	
Jacob Trinley & Sons, Linfield, Pa.								
Favorite Growing Mash	G.	16.00	4.00	8.00	....	....	....	Corn meal, soybean oil meal, wheat bran, wheat middlings, dried milk by-product, meat scraps, alfalfa meal, molasses, bone meal, iodized salt, A and D feeding oil, pulverized oats, charcoal, bone charcoal, soluble sulphur, flowers of sulphur, potassium iodide, iron sulphate, copper sulphate, manganese, cobalt.
	F.	18.12	4.38	6.21	9.87	10.91	50.51	
Union National Mill, Springfield, Ohio.								
William Tell Grey Wheat Middlings	G.	14.00	3.00	9.00	....	....	....	Ground screenings added.
	F.	16.29	2.94	5.42	9.87	3.19	62.29	

Manufacturer Brand		Pounds in 100 lbs. of Feedingstuffs						Certified by manufacturer to contain
		Protein	Fat	Crude Fiber	Moisture	Ash	Nitrogen Free Extract	
United Distillers' of America, Baltimore, Md.								
Corn Distillers' Dried Grains .	G.	28.00	6.00	13.00	....	....	....	
	F.	26.09	10.61	12.54	7.08	1.91	41.77	
United Farmers' Cooperative Creamery Association, Morrisville, Vt.								
Dried Skim Milk	G.	32.00	0.50	....	....	....	....	
	F.	34.54	0.53	....	4.97	7.81	....	
Valier and Spies Milling Co., St. Louis, Mo.								
Valier's Pure Wheat Bran ..	G.	14.50	3.50	10.50	....	....	....	Pure wheat bran.
	F.	16.11	4.01	9.08	9.33	6.46	55.01	
H. K. Webster Co., Lawrence, Mass.								
Blue Seal All Mash Growing Ration	G.	14.50	4.00	5.50	....	....	....	Coarse ground No. 2 yellow corn, fine ground heavy oats, pure wheat bran, wheat flour middlings, high grade meat scraps, high grade fish meal, dried sweet cream buttermilk with riboflavin supplement, dehydrated alfalfa leaf meal, corn gluten meal, calcium carbonate, salt, fortified A and D feeding oil with D-activated animal sterol.
	F.	15.72	4.55	6.15	10.46	6.84	56.28	
Blue Seal Breeders' Laying Mash	G.	20.00	4.00	6.00	....	....	....	No. 2 yellow corn meal, pure wheat bran, fine ground heavy oats, high grade meat scraps, high grade fish meal, corn gluten meal, wheat flour middlings, ground barley, dehydrated alfalfa leaf meal, dried sweet cream buttermilk with riboflavin supplement, salt, calcium carbonate, fortified A and D feeding oil with D-activated animal sterol.
	F.	20.62	4.63	6.43	9.11	10.62	48.59	
Blue Seal Broiler Ration	G.	24.00	4.00	6.00	....	....	....	Dried sweet cream buttermilk with riboflavin supplement, high grade meat scraps, high grade fish meal, dehydrated alfalfa leaf meal, corn gluten meal, soybean oil meal, No. 2 yellow corn meal, pure wheat bran, wheat flour middlings, fine ground heavy oats, calcium carbonate, salt, fortified A and D feeding oil with D-activated animal sterol.
	F.	23.60	4.61	5.40	9.41	11.25	45.73	
Blue Seal 20 Dairy Ration ..	G.	20.00	4.00	9.00	....	....	....	Linseed oil meal (crushed cake), soybean oil meal, ground oats, fancy crimped oats, corn oil meal, corn gluten feed, choice cottonseed meal, hominy feed, dehydrated alfalfa leaf meal, wheat bran and middlings, corn distillers' grains, cane molasses, B. S. mineral mixture.
	F.	21.01	4.88	7.81	9.39	6.89	50.02	

Blue Seal Improved All Mash Ration	G.	15.00	4.00	5.00	....	....	....	Coarse ground No. 2 yellow corn, fine ground heavy oats, pure wheat bran, wheat flour middlings, high grade meat scraps, high grade fish meal, dried sweet cream buttermilk with riboflavin supplement, dehydrated alfalfa leaf meal, corn gluten meal, calcium carbonate, salt, fortified A and D feeding oil with D-activated animal sterol.
	F.	18.21	4.67	5.75	9.67	7.50	54.20	
Blue Seal Improved All Mash Rations (Pellets)	G.	15.00	4.00	5.00	....	....	....	Coarse ground No. 2 yellow corn, fine ground heavy oats, pure wheat bran, wheat flour middlings, high grade meat scraps, high grade fish meal, dried sweet cream buttermilk with riboflavin supplement, dehydrated alfalfa leaf meal, corn gluten meal, calcium carbonate, salt, fortified A and D feeding oil with D-activated animal sterol.
	F.	19.48	5.14	6.31	8.55	7.35	53.17	
Blue Seal Richford 20 Dairy Ration	G.	20.00	4.50	10.00	....	....	....	Choice cottonseed meal, soybean oil meal, corn oil meal, malt sprouts, corn gluten feed, dried brewers' grains, wheat bran and middlings, hominy feed, linseed oil meal, corn distillers' grains, cane molasses, B. S. mineral mixture.
	F.	21.93	5.54	8.11	9.04	7.02	48.36	
Wichita Flour Mills Co., Wichita, Kans.								
Wheat Bran and Ground Screenings	G.	14.50	3.50	11.00	....	....	....	Wheat bran.
	F.	17.16	4.10	9.93	10.25	7.45	51.11	

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